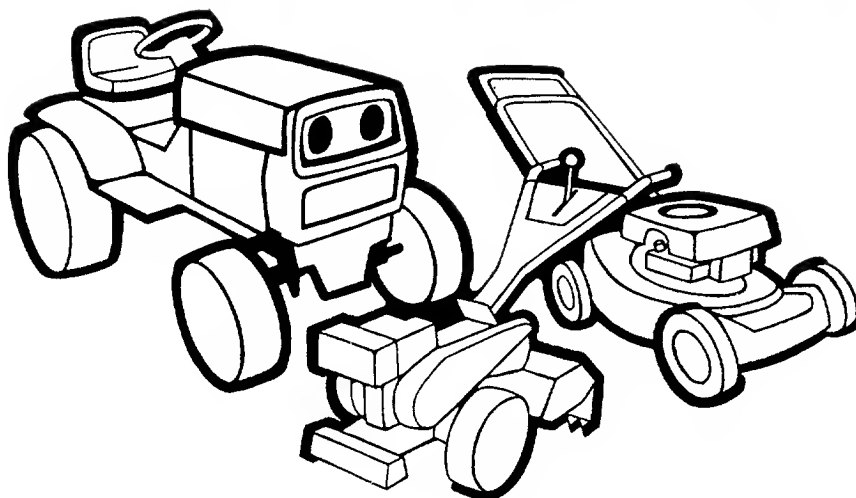


OWNERS MANUAL



GARDEN TRACTORS

(11, 16 and 18 H.P.)

**ASSEMBLY
OPERATION
MAINTENANCE
PARTS LIST**

Important:

**Read Safety Rules and
Instructions Carefully**

Model Numbers

| | |
|------------------------|-------------|
| 144-810-000 ✓ | 144-811-000 |
| 144-822-000 <i>N/D</i> | 144-823-000 |
| 144-824-000 ✓ | 144-825-000 |
| 144-826-000 ✓ | 144-827-000 |
| 144-832-000 <i>N/D</i> | 144-833-000 |
| 144-834-000 ✓ | 144-835-000 |
| 144-836-000 ✓ | 144-837-000 |

Thank you for purchasing an
American built product.

INDEX

| | | | |
|--------------------------------|----|---|------------|
| Safe Operating Practices | 3 | Off-Season Storage | 16 |
| Assembly | 5 | Trouble Shooting Chart | 17, 18 |
| Controls | 8 | Illustrated Parts for Tractor | 20-31 |
| Operation | 9 | Illustrated Parts for Transaxle | 32, 33 |
| Adjustments | 10 | Electrical Diagrams and Parts Lists | 34, 35 |
| Lubrication | 11 | Parts Ordering Information | Back Cover |
| Maintenance | 12 | | |

LIMITED WARRANTY

For one year from the date of original retail purchase, MTD PRODUCTS INC will either repair or replace, at its option, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by MTD PRODUCTS INC.

This warranty will not apply to any part which has become inoperative due to misuse, excessive use, accident, neglect, improper maintenance, alterations, or unless the unit has been operated and maintained in accordance with the instructions furnished. This warranty does not apply to the engine, motor, battery, battery charger or component parts thereof. Please refer to the applicable manufacturer's warranty on these items.

This warranty will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of MTD.

The return of a complete unit will not be accepted by the factory unless prior written permission has been extended by MTD.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.



This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.

In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester muffler is available at your nearest engine authorized service center.



WARNING

To reduce the potential for any injury, comply with the following safety instructions. Failure to comply with the instructions may result in personal injury.

SAFE OPERATION PRACTICES FOR RIDING VEHICLES

1. Read this owner's manual carefully in its entirety before attempting to assemble or operate this unit. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
2. This unit is a precision piece of power equipment, not a plaything. Therefore exercise extreme caution at all times.
3. Know the controls and how to stop quickly—**READ THIS OWNER'S MANUAL.**
4. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction. Only persons well acquainted with these rules of safe operation should be allowed to use your mower.
5. No one should operate this unit while intoxicated or while taking medication that impairs the senses or reactions.
6. Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts to avoid entanglement in the moving parts. Never operate a unit in bare feet, sandals, or sneakers.
7. To prevent injury, do not carry passengers or give rides. Keep children, pets and bystanders out of the area while mowing. Only the operator should ride on the unit and only ride in the seat.
8. Check overhead clearance carefully before driving under power lines, guy wires, bridges or low hanging tree branches, before entering or leaving buildings, or in any other situation where the operator may be struck or pulled from the unit, which could result in serious injury.
9. To maintain control of the unit and reduce the possibility of upset or collision, operate the tractor smoothly. Avoid erratic operation and excessive speed.
10. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower. Although the area of operation should be completely cleared of foreign objects, a small object may have been overlooked and could be accidentally thrown by the mower in any direction and cause injury.
11. Clear work area of objects which might be picked up and thrown by the mower in any direction and cause injury.
12. Stop the blade(s) when crossing gravel drives, walks or roads.
13. Disengage all attachment clutches and shift into neutral before attempting to start engine.
14. Disengage power to attachment(s) and stop engine before leaving operating position.
15. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times as the rotating blade(s) can cause injury.
16. Disengage power to attachment(s) and stop engine before making any repairs or adjustments. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
17. Before attempting to unclog the mower or discharge chute, stop the engine. The mower blade(s) may continue to rotate for a few seconds after the engine is shut off. Therefore, be sure the blade(s) have stopped completely. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
18. Disengage power to attachment(s) when transporting or not in use.
19. Take all possible precautions when leaving vehicle unattended such as disengaging power-take-off, lowering attachments, shifting into neutral, setting parking brake, stopping engine and removing key.
20. Do not stop or start suddenly when going uphill or downhill. Mow up and down face of steep slopes; never across the face. Use extreme caution if it is necessary to drive the tractor up an incline or back the tractor down an incline because the front of the tractor could lift and rapidly flip over backward which could cause serious injury.
21. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Always keep the tractor in gear when going down steep hills to take advantage of engine braking action.
22. Stay alert for holes in terrain and other hidden hazards.
23. Use care when pulling loads or using heavy equipment.
 - A. Use only approved drawbar hitch points.
 - B. Limit loads to those you can safely control.
 - C. Do not turn sharply. Use care when backing.
 - D. Use counterweight(s) or wheel weights when suggested in owner's manual.
24. Watch out for traffic when crossing or near roadways.
25. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
26. Handle gasoline with care. It is highly flammable.
 - A. Use approved gasoline container.
 - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline.
 - C. Open doors if engine is run in garage. Exhaust fumes are dangerous. Do not run engine indoors.

27. Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in operator's manual.
28. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
29. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
30. To reduce fire hazard, keep engine free of grass, leaves or excessive grease.
31. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object. The damage should be repaired before restarting and operating the equipment.
32. Do not change the engine governor settings or overspeed the engine.
33. When using the vehicle with mower, proceed as follows:
 - (1) Mow only in daylight or in good artificial light.
 - (2) Never make a cutting height adjustment while engine is running if operator must dismount to do so.
 - (3) Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher.
 - (4) Check blade mounting bolts for proper tightness at frequent intervals.
34. Check grass catcher bags frequently for wear or deterioration. For safety protection, replace only with new bag meeting original equipment specifications.
35. Look behind to make sure the area is clear before placing the transmission in reverse and continue looking behind while backing up. Disengage blades before shifting into reverse and backing up.
36. This unit should not be driven up a ramp onto a trailer or truck under power, because the unit could tip over, causing serious personal injury. The unit must be pushed manually to load properly.

ASSEMBLY



NOTE

This unit is shipped WITHOUT GASOLINE or OIL. After assembly, see separate engine manual for proper fuel and engine oil recommendations.

This owner's manual covers various models of garden tractors. The units illustrated may vary slightly from your unit. Follow the instructions which pertain to your unit.

BATTERY INFORMATION



WARNING

- A. Battery acid must be handled with great care as contact with it can burn and blister the skin. It is also advisable to wear protective clothing (goggles, rubber gloves and apron) when working with it.*
- B. Should battery acid accidentally splatter into the eyes or onto the face, rinse the affected area immediately with clean cold water. If there is any further discomfort, seek prompt medical attention.
- C. If acid spills on clothing, first dilute it with clean water, then neutralize with a solution of ammonia/water or baking soda/water.
- D. Since battery acid is corrosive, do not pour it into any sink or drain. Before discarding empty electrolyte containers, rinse them with a neutralizing solution.
- E. NEVER connect or disconnect charger clips to battery while charger is turned on as it can cause sparks.
- F. Keep all lighted materials (cigarettes, matches, lighters) away from the battery as the hydrogen gas generated during charging can be combustible.
- G. As a further precaution, only charge the battery in a well-ventilated area.

***Always shield eyes, protect skin and clothing when working near batteries.**



DANGER

Battery contains sulfuric acid. Antidote: EXTERNAL—Flush with water. INTERNAL—Drink large quantities of water or milk. Follow with milk of

magnesia, beaten egg or vegetable oil. Seek prompt medical attention. EYES: Flush with cool water for at least 15 minutes, then seek immediate medical attention.

Since batteries produce explosive gases, keep all lighted materials (cigarettes, lighters, matches, etc.) away. Be sure to charge battery only in well-ventilated areas.

KEEP BATTERIES OUT OF THE REACH OF CHILDREN.

ACTIVATING THE BATTERY

1. Place the battery to be filled on a workbench. Never activate a battery in the unit.
2. Slip one end of battery drain tube on the battery manifold.
3. Remove the fill caps from all cells.
4. Fill each cell carefully using 1.265 specific gravity electrolyte. Fill each cell to the top of the separators. Do not overfill.
5. Let the battery sit for 20 minutes to allow the chemical reaction to take place.
6. Charge the battery at a MAXIMUM RATE OF 5 AMPS. until the specific gravity reads 1.265. Use a hydrometer to check the specific gravity.



CAUTION

An excessive rate of charge will damage the battery.

7. Check the level of electrolyte. Adjust level to bottom of split ring if necessary with electrolyte.
8. Replace fill caps.



CAUTION

After battery has been in service, add only distilled water, or pure drinking water. DO NOT ADD ACID.



NOTE

This engine is equipped with an alternator. The current for the battery charger alternator is unregulated. During normal operation, it is only necessary to charge the battery:

1. When it is activated for the first time.
2. Before winter storage.
3. Before using the lawn tractor after winter storage.

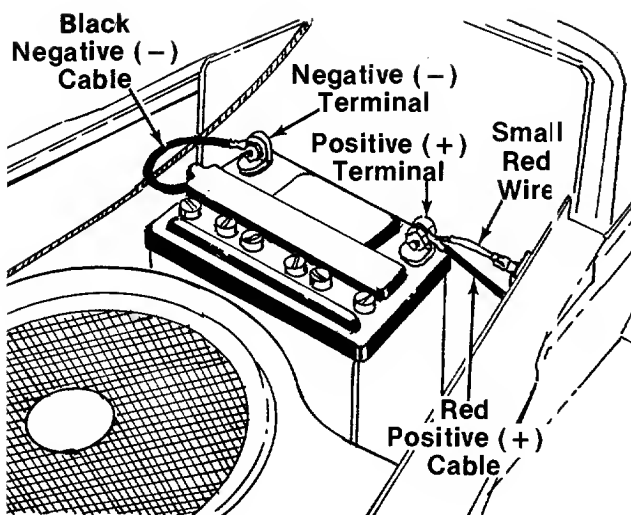


FIGURE 1.

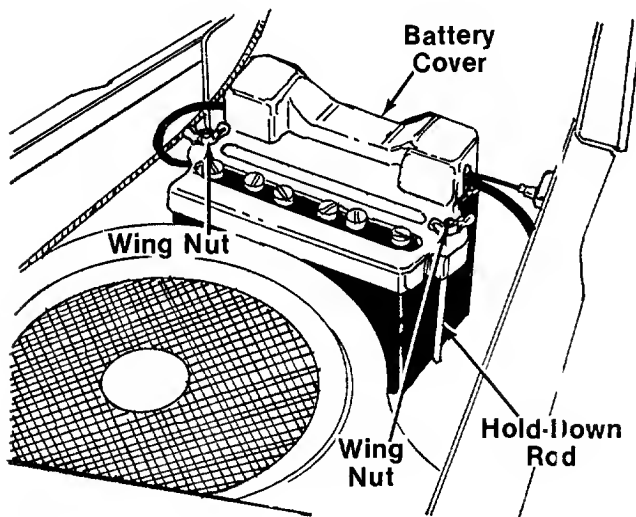


FIGURE 2.

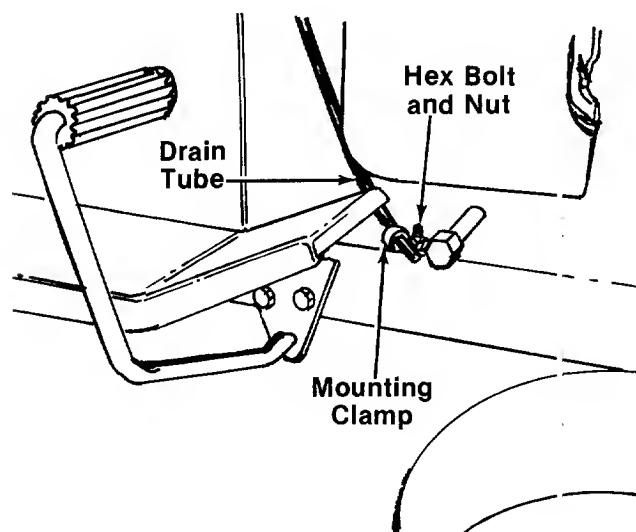


FIGURE 3.

INSTALLING THE BATTERY



The positive battery terminal is marked Pos. (+). The negative battery terminal is marked Neg. (-).

1. Place the battery on the battery plate with the terminals towards the rear of the tractor.
2. Attach the positive cable (heavy red wire) and the small red wire (from the circuit breaker) to the positive battery terminal (+) with a $\frac{1}{4}$ -20 x $\frac{3}{4}$ " long bolt, lock washer and hex nut provided in the battery pack. See figure 1.
3. Attach the negative cable (heavy black wire) to the negative battery terminal (-) with the other $\frac{1}{4}$ -20 x $\frac{3}{4}$ " long bolt, lock washer and hex nut.

4. Hook one hold-down rod into the hole in battery plate beside the battery. See figure 2. Place the battery cover in position over the hold-down rod. Secure with wing nut. Attach other hold-down rod to the other side of battery cover in the same manner.

5. Route the battery drain tube down beside the oil drain pipe on the right side of the tractor.

11 H.P. Tractor—Secure battery drain tube to oil drain pipe with plastic tie provided. Cut off excess end of plastic tie.

16 and 18 H.P. Tractor—Slip the end of the drain tube into the mounting clamp provided in hardware pack. Secure the mounting clamp to the tractor by placing the clamp over the hex bolt and nut which hold the engine pulley belt guard to the frame. Secure in place with hex lock nut provided in hardware pack. See figure 3.



The vented battery allows any gases or liquid from the battery to be drained onto the ground.

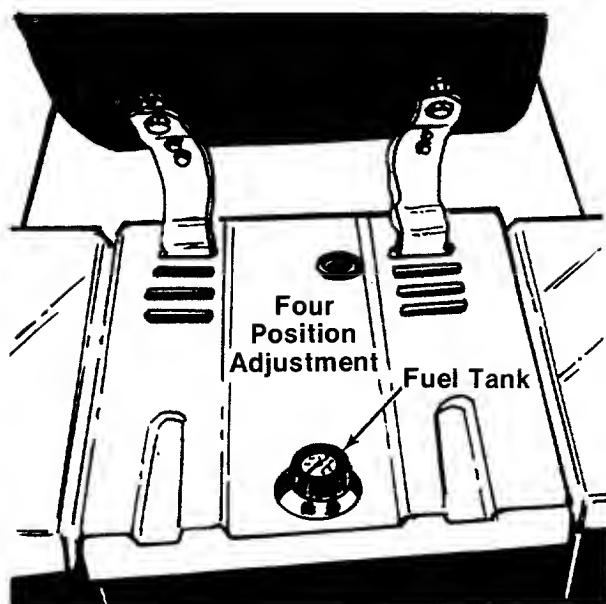


FIGURE 4A.—Models 810, 822, 824, 834 and 836

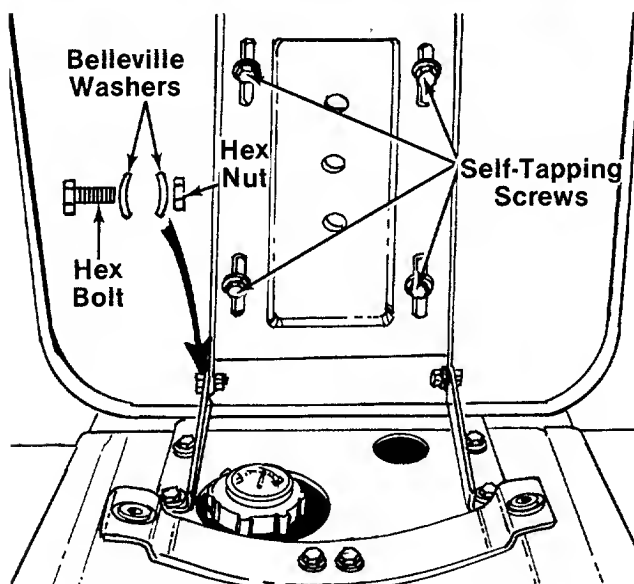


FIGURE 4B.—Models 811, 823, 825, 833 and 835

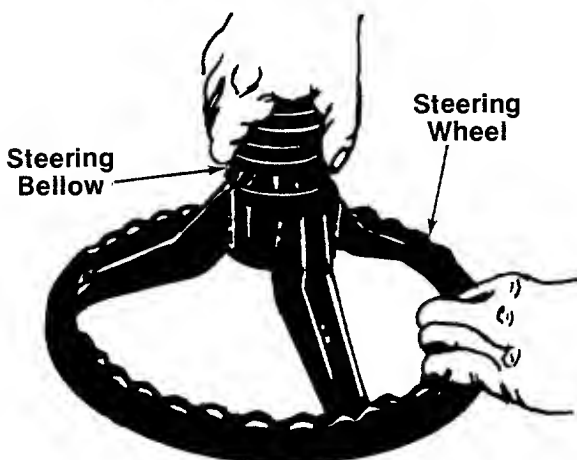


FIGURE 5.—Models 811, 823, 825, 833 and 835

SEAT ASSEMBLY

Models 810, 822, 824, 834 and 836:

The seat can be adjusted to four positions. With the seat tipped forward, hook the front of the seat spring into the slots on the tractor frame. Allow the seat to pivot backwards until it rests on the rear of the springs. See figure 4A.

Models 811, 823, 825, 833 and 835:

Place the seat in position against the seat brackets. Secure each side of seat with $\frac{3}{4}$ " long hex bolt, two belleville washers (on the inside and outside) and hex lock nut. Crown side of washers should be against the head of the bolt and the nut. See figure 4B.

STEERING WHEEL INSTALLATION

1. **Models 811, 823, 825, 833 and 835 only:** There are four height positions for the steering wheel. For shipping purposes, the steering shaft is assembled in the lowest position. Lift the hood of the tractor. Remove the hairpin cotter and clevis pin on the steering shaft. Raise the shaft to desired position and secure with hairpin cotter and clevis pin. See reference numbers 56 and 57 on page 28.
2. **Models 811, 823, 825, 833 and 835 only:** Attach the plastic steering bellow to the steering wheel as shown in figure 5.

NOTE

One end of the steering bellow is slightly larger than the other. The larger end must be assembled to the steering wheel.

3. Place steering wheel over the steering shaft, lining up the flats in the wheel with the flats on the shaft.

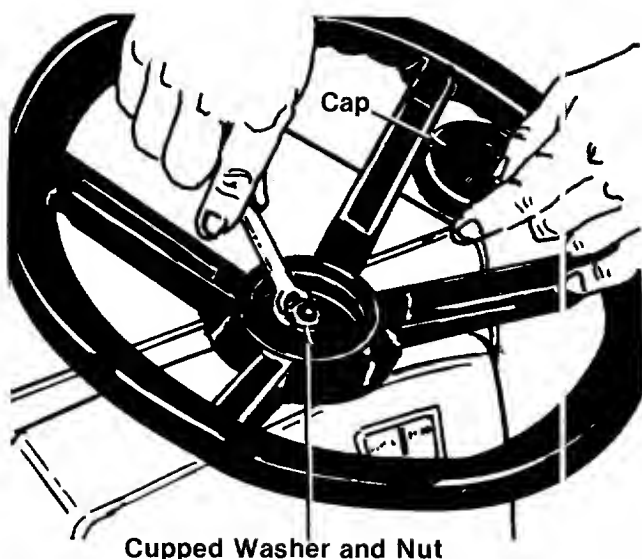


FIGURE 6.

4. Secure with cupped washer (cupped side against the steering wheel) and hex nut. See figure 6.
5. Press the steering wheel cap on the steering wheel by hand.

TIRE PRESSURE

For shipping purposes, the tires on your unit may be over-inflated. Tire pressure should be reduced before unit is put into operation. Recommended operating tire pressure should be 10 p.s.i.

Check sidewall of tire for manufacturer's maximum tire pressure. If this information does not appear on your tire, maximum tire pressure under any circumstances is 30 p.s.i. Equal tire pressure should be maintained on all tires.

CONTROLS

IGNITION SWITCH

The ignition switch is located in the center of the dashboard. Turn the key to the START position to start the engine. When the engine is running, leave the key in the ON position. To stop the engine, turn the key to the OFF position. See figure 7.



Remove the key from the tractor when the tractor is not in use to prevent accidental starting.

THROTTLE CONTROL

The throttle control is located on the left side of the dashboard and is used to regulate the engine speed. See figure 7. The engine should be operated from $\frac{3}{4}$ to full throttle (FAST) when operating any equipment that uses the tractor engine as a source of power such as the mowing deck, snow thrower or rotary tiller.

CHOKE CONTROL (16 and 18 H.P. only)

The choke control is located on the right side of the dashboard and is operated manually. Details for the choke operation are covered in the separate engine manual packed with your unit. See figure 7.

LIGHT SWITCH

The head lamps are operated by pushing the light switch located on the dashboard. The head lamps will only operate when the engine is running. See figure 7.

AMMETER

The ammeter registers the rate of battery charge or discharge. The ammeter will register on the discharging side with starting the engine. It should register on the opposite side (charging) when the engine is running in the fast position until the battery is completely charged. With a fully charged battery or with the engine idling, the ammeter will not show a charge. See figure 7.

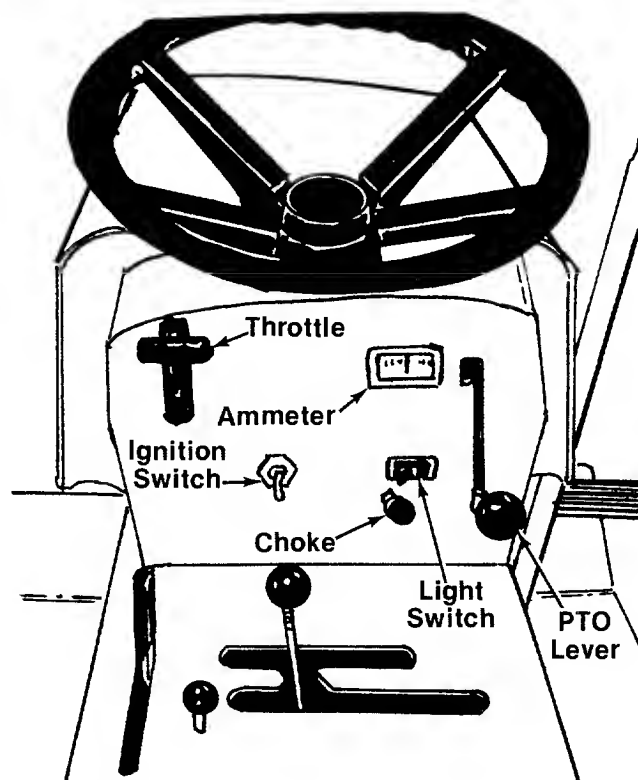


FIGURE 7.—16 and 18 H.P. Models Shown

GASOLINE TANK

The gasoline tank is located under the tractor seat. Tip the seat forward to fill the tank. Refer to figure 4.

GEAR SHIFT LEVER

The transaxle has four forward gears, neutral and reverse. Do **not** shift through the gears on the transaxle as you would in an automobile. Pre-select the gear appropriate for the job you are doing. See figure 8.

You must depress the clutch-brake pedal and come to a complete stop before shifting gears.

CLUTCH-BRAKE PEDAL

The clutch-brake pedal is located on the right side of the tractor. See figure 8. Depressing the clutch-brake pedal part way disengages the clutch. Pressing the pedal all the way down disengages the clutch and engages the disc brake.



NOTE

The clutch-brake pedal must be depressed to start the engine.

PARKING BRAKE

To set the parking brake, depress the clutch-brake pedal and pull up the parking brake knob. It will stay in the raised position. To release the parking brake, depress and release the clutch-brake pedal. See figure 8.

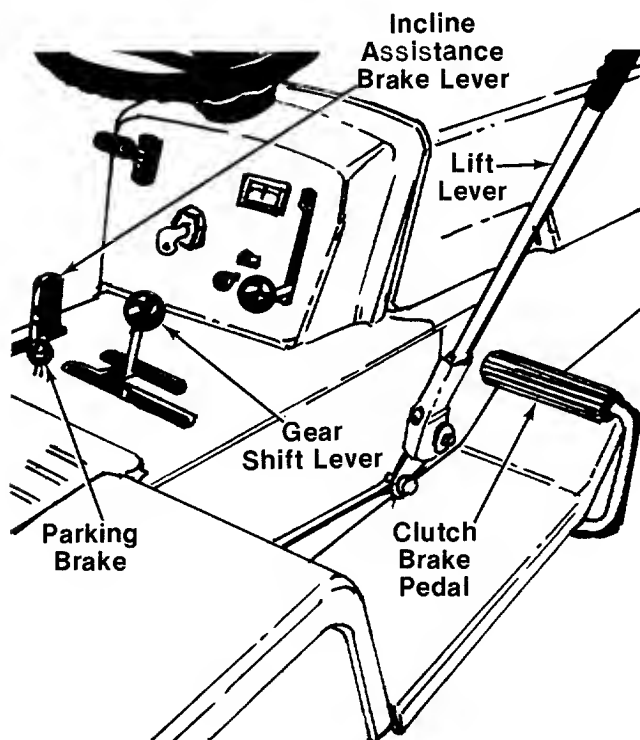


FIGURE 8.

INCLINE ASSISTANCE BRAKE LEVER

When stopping on a hill, hold the incline assistance brake lever back while you release the clutch-brake pedal until the tractor begins to move, then release the lever. This lever permits smoother starts and clutch engagement by holding the tractor during the brake release/clutch engagement operation. See figure 8.

LIFT LEVER

The five position lift lever is used to change the operating position of the attachments. To operate, pull the lever towards you. To release, move the lever to the right and then forward. See figure 8.

POWER TAKE-OFF (PTO) LEVER

The PTO lever is located on the right side of the dashboard. To engage the PTO, lift the lever slowly and lock it into the notch. See figure 7.



NOTE

The PTO lever **must** be in the disengaged position (down) when starting the engine and when shifting into reverse.

OPERATION



CAUTION

1. Keep all shields in place.
2. Before leaving operator's position:
 - a. Shift transmission to neutral
 - b. Set parking brake
 - c. Disengage attachment clutch
 - d. Shut off engine
 - e. Remove ignition key
3. Wait for all movement to stop before servicing machine.
4. Keep people and pets a safe distance away from machine.
5. Look to the rear before backing up.

PREPARATION



NOTE

When packaged for shipment, the machine contains no oil or gasoline. Before starting the engine, oil must be added to the engine crankcase and gasoline to the tank. **DO NOT** mix oil with gasoline.

1. Put oil in engine crankcase. Refer to separate engine manual packed with your unit for engine oil recommendations.
2. Fill the fuel tank with clean, fresh, lead-free, low-lead or regular grade leaded gasoline.

OPERATING THE TRACTOR



NOTE

This unit is equipped with a safety interlock system for your protection. The purpose of the safety interlock system is to prevent the engine from cranking or starting unless the clutch-brake pedal is depressed and the PTO lever is in the disengaged position. In addition, the PTO lever must be in the disengaged position when the unit is put into reverse or the engine will shut off.



WARNING

Do not operate the tractor if the interlock system is malfunctioning because it is a safety device, designed for protection.

1. Place the PTO lever in the disengaged (down) position.
2. **16 and 18 H.P. Units Only**—Pull out the choke control. A warm engine requires less choking.
3. Set the throttle control in the **FAST** position.
4. Depress the clutch-brake pedal and hold it down.
5. Turn the ignition key to the **START** position. After the engine starts, release the key.
6. **16 and 18 H.P. Only**—Slowly push in the choke as the engine warms up.
7. With the clutch-brake pedal depressed, move the gear shift lever into one of the forward gears or reverse.
8. Slowly release the clutch-brake pedal and the tractor will move forward.
9. When stopping, depress the clutch-brake pedal. This will apply both the clutch and the brake.
10. To shut off the engine, turn the ignition key to the left to the **OFF** position. Remove the key to prevent accidental starting while equipment is unattended.



IMPORTANT

If you strike a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

ADJUSTMENTS



WARNING

Disconnect the spark plug wire and ground against the engine before performing any adjustments, repairs or maintenance.

SEAT ADJUSTMENT

Models 810, 822, 824, 834 and 836:

The tractor seat is adjustable to four positions. To change positions, tip the seat all the way forward and lift it out of the slots on each side. Refer to figure 4A.

Models 811, 823, 825, 833 and 835:

To adjust the position of the seat, loosen the four self-tapping screws on the bottom of the seat. See figure 4B. Slide the seat forward or backward as desired. Retighten the self-tapping screws.

REAR WHEEL TRACK ADJUSTMENT

The distance between the rear wheels can be changed from wide to narrow by removing the rear wheels one at a time and reversing them on the hub.

With the rear wheels in the narrow position, the outside of the rear wheels is even with the outside of the front wheels.

With the rear wheels in the wide position, the inside of the rear wheels is even with the outside of the front wheels.

BRAKE ADJUSTMENT

During normal operation of this machine, the brakes are subject to wear and will require periodic examination and adjustment.



CAUTION

Do not adjust the brake while the engine is running. Be sure to block the wheels of the tractor before making the brake adjustment.

1. Loosen the lock nut. See figure 9.
2. Tighten the center bolt all the way in.
3. Unscrew the center bolt one complete turn.
4. Test the brakes and repeat step three if necessary.
5. Tighten the lock nut.

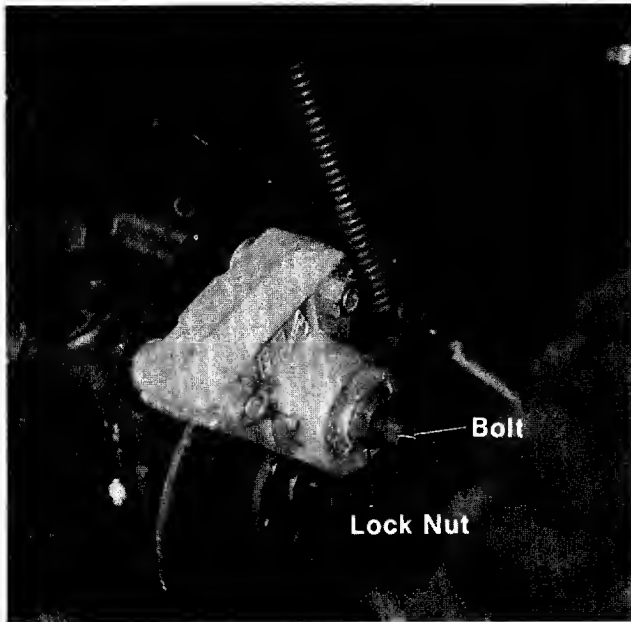


FIGURE 9.

CARBURETOR ADJUSTMENTS



If any adjustments are made to the engine while the engine is running (e.g. carburetor), disengage all clutches and blades. Keep clear of all moving parts. Be careful of heated surfaces and muffler.

Minor carburetor adjustments may be required to compensate for differences in fuel, temperature, altitude and load.

Refer to separate engine manual for carburetor adjustment information.

STEERING WHEEL ADJUSTMENT

Models 811, 823, 825, 833 and 835 only

There are four height positions for the steering wheel. To adjust the height of the steering wheel, remove the hairpin cotter and clevis pin on the steering shaft. Place the steering wheel in the position desired and secure with hairpin cotter and clevis pin. See reference numbers 56 and 57 on page 26.

LUBRICATION

STEERING GEARS

Wipe off the old grease and dirt. After every 25 hours of operation place an automotive multi-purpose grease in the teeth of the segment and pinion gears. See figure 10.

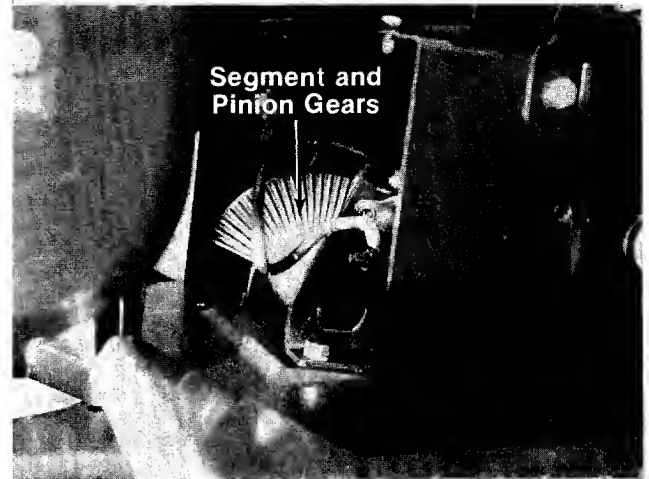


FIGURE 10.

TRANSAXLE

Check the oil level four times a year. Lubricant should be at the point of overflowing. Use E.P. 90 oil. Drain and refill every two years. Capacity 4 pints. See figure 11.

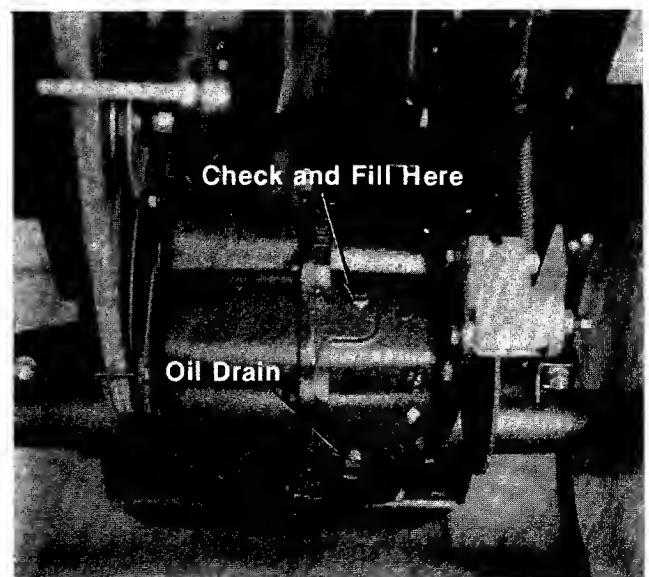


FIGURE 11.

LINKAGE

Once a season lubricate all the pivot points on the clutch, brake and lift linkage with SAE 30 engine oil.

FRONT WHEELS

The front wheels are provided with grease fittings. Lubricate at least once a season with automotive multi-purpose grease.

PIVOT POINTS

Lubricate all pivot points with light oil at least once a season.

BALL JOINTS

The ball joints and drag link ends are permanently lubricated.

MAINTENANCE



WARNING

Disconnect the spark plug wire and ground against the engine before performing any adjustments, repairs or maintenance.

TROUBLE SHOOTING

Refer to the chart on page 16 for trouble shooting engine problems.

CRANKCASE OIL

To ensure maximum engine performance, perform the following periodic maintenance:

Check the oil level in the crankcase before each use of the machine and after every two hours of operation. Keep the oil level between ADD and FULL. See figure 12.

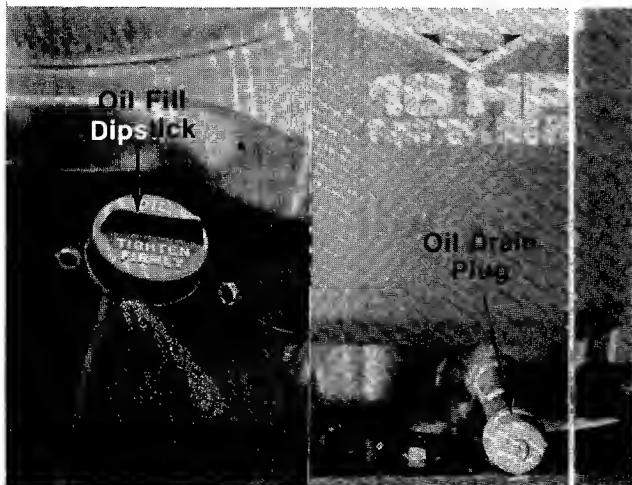


FIGURE 12.—16 H.P. Model Shown

After the first two hours of operating a new engine, drain the oil (see figure 10) from the crankcase while engine is still hot and refill crankcase with new oil; thereafter change the oil after every 25 hours of operation. This procedure ensures minimum wear of engine parts. To change the oil, proceed as follows:

Step 1. Remove oil filler plug.

Step 2. Drain the oil.

Step 3. Replace oil filler plug.

Step 4. Refill crankcase with oil. Refer to separate engine manual for quantity and type of oil.

FUEL SHUT-OFF VALVE AND FILTER

(Models 810, 822, 824, 834 and 836 Only)

The valve and filter is located on the bottom of the gasoline tank located at the extreme rear of the tractor.

Turn the valve knob in to shut off the fuel flow. Turn the valve knob out to operate the tractor.

The entire valve can be pulled out to clean the filter. When reassembling, place the rubber grommet into the gasoline tank first, then push the valve all the way in.



WARNING

Only use factory approved parts if repairs are needed on the gasoline tank, grommet, valve or gasoline line.

FUEL FILTER

(Model 811, 823, 825, 833 and 835 Only)

If your unit does not have a fuel shut-off valve, it is equipped with a replaceable in-line fuel filter. Replace filter whenever contamination or discoloration is noticed. Order replacement filter through your authorized engine service dealer.

WHEEL ALIGNMENT

The front wheels should toe-in approximately 1/8". Measure the distances A and B on the front wheels. See figure 13.



NOTE

Dimension B should be approximately 1/8 inch less than dimension A.

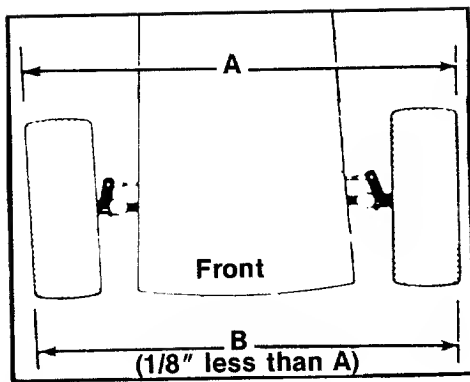


FIGURE 13.

To adjust the toe-in, loosen the hex jam nut, remove the elastic lock nut, lift the tie rod end out of the hole in the steering arm and screw the tie rod end in or out as necessary. See figure 16.13. Reassemble the tie rod end after the correct alignment is made.

DRAG LINK

If the drag link or ball joints are changed, the new assembly must be adjusted to the exact same length as the original. If adjusted incorrectly, it will allow the tractor to turn sharper one direction than the other.

To take off the drag link, remove the nuts and lock washers holding the ball joint to the steering gear and left front axle bracket. See figure 14.

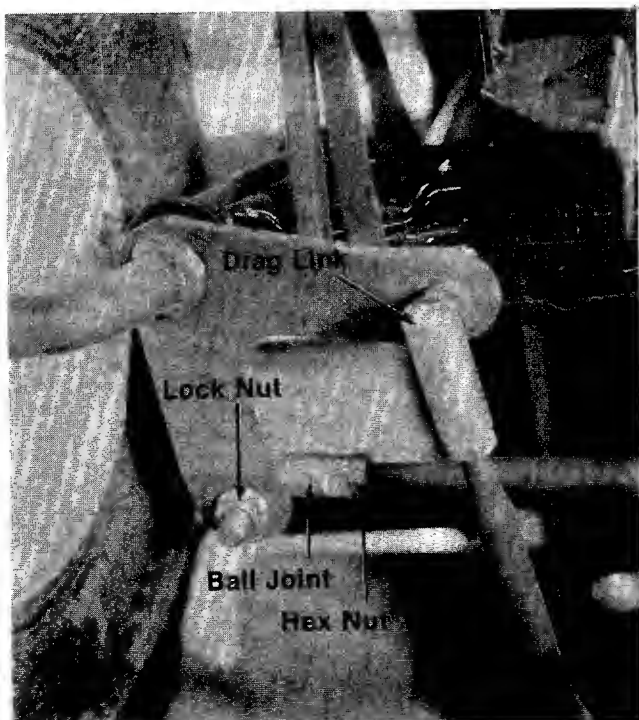


FIGURE 14.

ENGINE

Refer to separate engine manual for all engine maintenance procedures.

MAINTENANCE OF BATTERY

1. Check electrolyte level periodically (at least every two weeks). Keep the level to the split rings. Use only distilled water or a good quality drinking water. Never add acid or any other chemicals to the battery after initial activation.
2. The battery should be checked with a hydrometer after every 25 hours of operation. If the specific gravity is less than 1.225, the battery should be recharged. Maximum charge rate 5 AMPS.
3. Coat the terminals and exposed wire with a thin coat of grease or petroleum jelly for longer service and protection against corrosion.
4. The battery should be kept clean. Any deposits of acid should be neutralized with soda and water. Be careful not to get this solution in the cells.
5. Avoid tipping the battery. Even a "sealed" battery will leak electrolyte when tipped.

STORAGE OF THE BATTERY

1. Charge battery using normal methods. NEVER store discharged battery as it will not recover.
2. When storing battery for extended periods, disconnect battery cables. Removing battery from unit is recommended.
3. Store in cold, dry place.
4. Recharge battery whenever the specific gravity is less than 1.225, before returning to service, or every two months, whichever occurs first.

COMMON CAUSES FOR BATTERY FAILURE

1. Overcharging
2. Undercharging
3. Lack of water
4. Loose hold downs and/or corroded connections
5. Excessive loads
6. Battery electrolyte substitutes
7. Freezing of electrolyte



These failures do not constitute warranty.

BATTERY REMOVAL OR INSTALLATION



WARNING

When removing the battery, follow this order of disassembly to prevent your wrench from shorting against the frame.

1. Remove the Negative cable.
2. Remove the Positive cable.

To install a battery:

1. Attach the Positive cable.
2. Attach the Negative cable.

JUMP STARTING

1. Attach the first jumper cable from the Positive terminal of the good battery to the Positive terminal of the dead battery.
2. Attach the second jumper cable from the Negative terminal of the good battery to the FRAME OF THE UNIT WITH THE DEAD BATTERY.



WARNING

Failure to use this starting procedure could cause sparking, and the gases in either battery could explode.

INSTALLATION OF TIRE TO RIM



WARNING

The following procedure must be followed when removing or installing a tire to the rim.

1. Be sure rim is clean and rust free.
2. Lubricate both the tire and rim generously.
3. Never inflate to over 30 p.s.i. to seat beads. Excessive inflation pressure when seating beads may cause tire/rim assembly to burst with force sufficient to cause serious injury.

BELT REMOVAL AND REPLACEMENT

Changing the Front Drive Belt

1. If a cutting deck is attached to your tractor, remove it. Remove the battery.
2. Raise and block the front wheels of the tractor so you can work under it.

3. Unscrew the belt guard release next to the engine pulley. See figure 15.

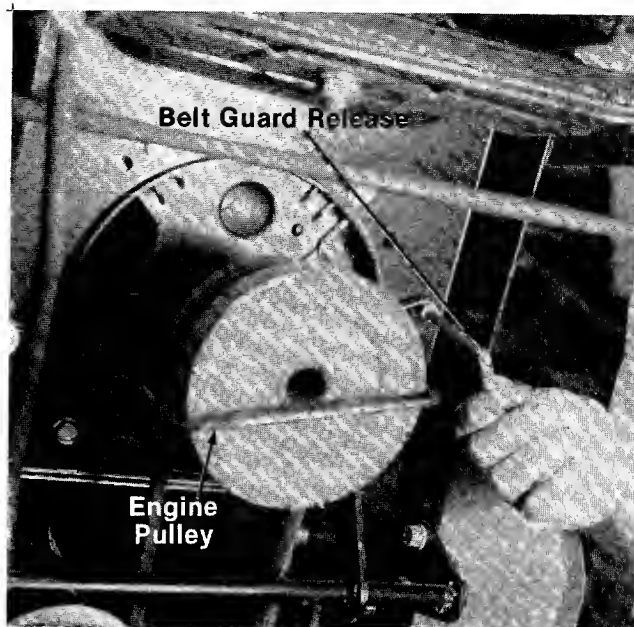


FIGURE 15.

4. Swing the belt guard forward towards the front of the tractor. See figure 16.



WARNING

Observe the way the belt is twisted. If the new belt is installed backwards, the tractor will run backwards.

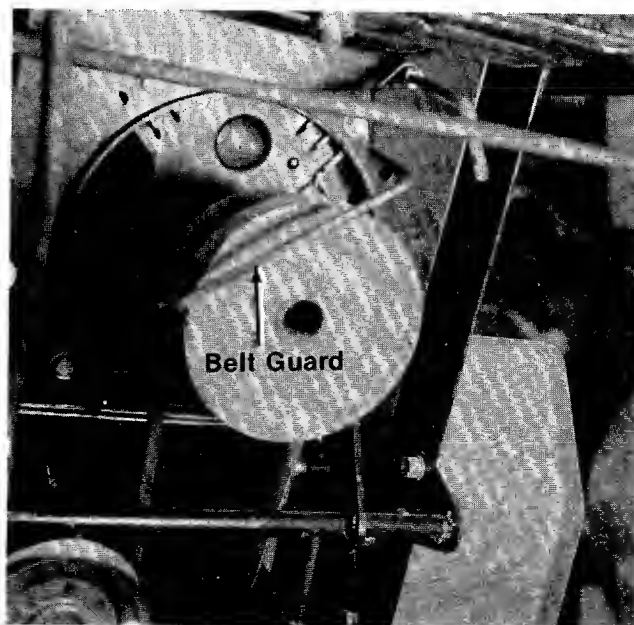


FIGURE 16.

5. Using a bar or large screwdriver, pry the pulley assembly towards the front of the tractor and unhook the belt from the pulley. See figure 17.
6. Install the new belt by hooking it over the engine pulley and twisting the belt to the left as you attach it to the pulley.
7. Test the operation of the tractor to make certain the belt has been installed correctly.

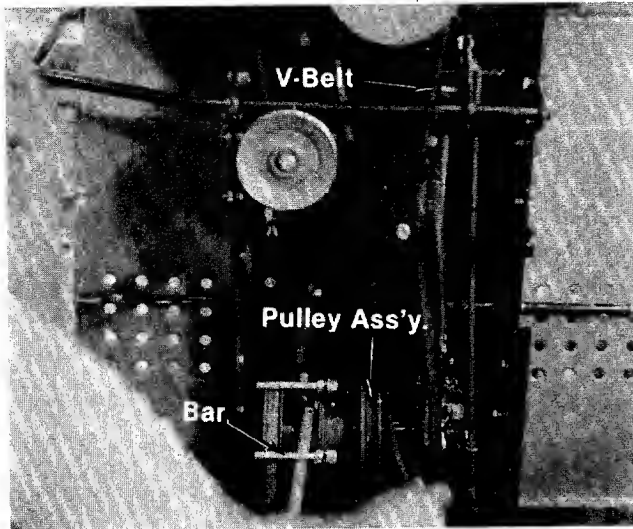


FIGURE 17.

Removing the Rear (Clutch) Belt

1. If a cutting deck is attached to your tractor, remove it. Remove the battery.
2. Raise and block the front wheels of the tractor so you can work under it.
3. Depress the clutch-brake pedal and set the parking brake.
4. Remove the two belt guard pins on the pulley assembly. See figure 18.

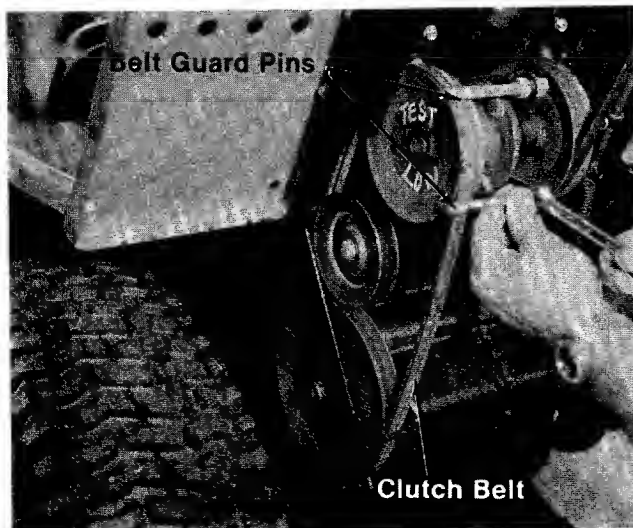


FIGURE 18.

5. Take off the idler assembly by removing the center bolt.



Be sure the belt clip is reassembled the same way. See figure 19.



FIGURE 19.

6. Remove the center bolt and slide the trans-axle pulley off. See figure 20.
7. Reassemble in reverse order with a new V-belt.



FIGURE 20.

OFF-SEASON STORAGE

If the machine is to be inoperative for a period longer than 30 days, prepare for storage as follows.

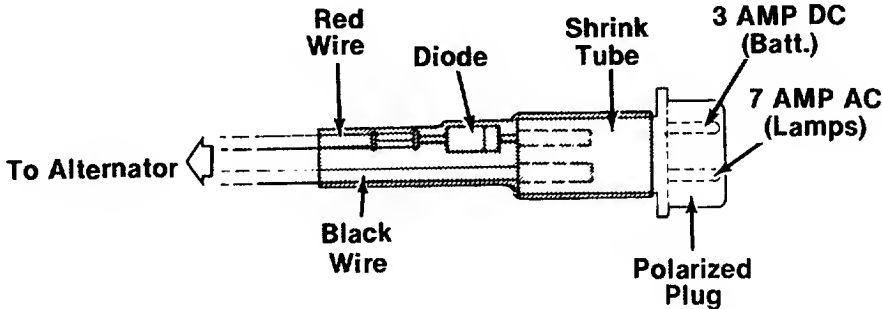
1. Clean the engine and the entire unit thoroughly.
2. Lubricate all lubrication points. Wipe the entire machine with an oiled rag to protect the surfaces.
3. Refer to the engine manual for correct engine storage instructions. The engine must be completely drained of fuel to prevent gum deposits from forming on essential carburetor parts, fuel lines and fuel tanks.
4. Refer to battery storage instructions on page 13.
5. Store unit in a clean, dry area.



CAUTION

When storing any type of power equipment in an unventilated or metal storage shed, care should be taken to rust proof the equipment. Using a light oil or silicone, coat the equipment, especially any chains, springs, bearings and cables.

TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

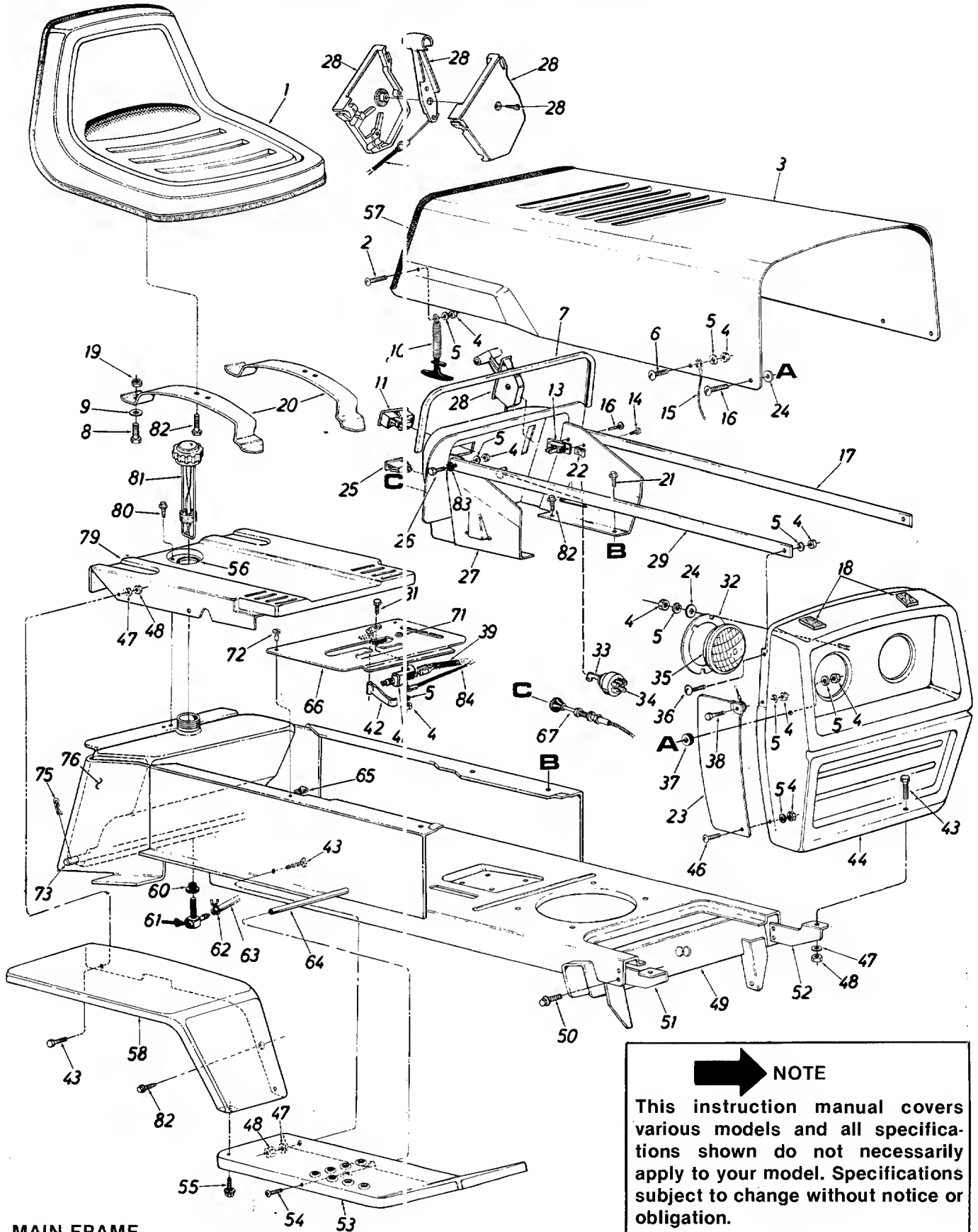
| TROUBLE | LOOK FOR | REMEDY |
|----------------------------------|--|--|
| Engine will not crank | Battery installed incorrectly | The battery must be installed with the negative, identified at the terminal post by (Neg, N or -), grounded. The positive (Pos, P or +) attaches to the large cable from the solenoid. The small red wire from the fuse holder or circuit breaker is also attached to the positive terminal. |
| | Blown fuse or circuit breaker | Replace fuse with 7½ amp. fuse ¼ x 1¼" lg. Circuit breaker will reset itself when it cools off. Fuses or circuit breakers seldom open or fail without a reason. The problem must be corrected. Check for loose connections in the fuse holder. Replace fuse holder if necessary. A dead short may be in the cranking or charging circuit where the insulation may have rubbed through and exposed the bare wire. Replace the wire or repair with electrician's tape if the wire strands have not been damaged. Note: Look for a wire pinched between body panels, burned by the exhaust pipe or muffler or rubbed against a moving part. |
| | Battery is dead or weak | <p>Use a hydrometer to check the condition of the battery. The Specific Gravity (s.g.) should be 1.265 at 80°F. (1.215 s.g. minimum needed for cranking engine). The reason for the battery failing must be determined. (1) Defective battery. Battery will not accept or hold a full charge. (2) Short circuit. Check for grounded wire. (3) Charging system not working, either engine alternator or trickle charger.</p> <p>Trickle Charger. Check with multimeter. Charger 725-0578—input 120 V A.C., no load output 13.5 V D.C., rated load current 1 amp. Charger 725-0507—input 120 V A.C., no load output 17.4 V D.C., rated load current 1/2 amp.</p> <p>Alternator (dual or single circuit) The charging system is an alternator located under the flywheel. It is unregulated and rated 3 amp. at 3600 r.p.m. A diode (rectifier) is located in the output lead just before the wire harness plug on the engine side.</p> <div style="text-align: center;">  </div> <p>The diode changes A.C. to D.C. to charge the battery. A bad diode can either fail to charge the battery or discharge the battery if the alternator is shorted as well as the diode. To test: (1) Disconnect charger lead from the battery (small red wire). (2) Connect 12 V small test lamp between the 3 amp. D.C. charge lead and the positive terminal of the battery. (3) With the engine off, the lamp should not light. If it does, the diode and possibly the alternator should be replaced. (4) Start the engine. The lamp should light. If it does not, the alternator (stator) or lead wire is bad and should be replaced.</p> |
| | Mechanical failure. (Wires and switches) | The interlock system includes two mechanical activated switches which are wired in series in the circuit used to energize the starter solenoid. While testing the interlock system, you will make the mower temporarily unsafe by permitting the engine to be started with the blade and clutch engaged. WARNING: While testing, disengage the clutch, shut off the blade control, set the parking brake and place the gear shift lever in neutral. Attach a wire (minimum 18 gauge) to the positive terminal of the battery and touch the other end to the small terminal on the solenoid. If the engine does not crank: (1) There is a loose connection or poor ground. (2) The solenoid may be bad. The solenoid can be checked by using a heavy wire (#8 gauge minimum) and jumping between the two large terminals. If the engine cranks, the solenoid is bad. (3) If the engine does not crank when you jump the solenoid, have the starter motor tested by an authorized engine dealer. If the engine does crank, the problem is with one of the safety switches, ignition switch or the wire between the fuse holder (or circuit breaker) and the small terminal on the solenoid. Note: Look for a poor connection at the switches or a defective switch. Replace if necessary. |
| Engine cranks but will not start | Throttle or choke not in starting position | Check owner's guide for correct position for throttle control and choke (if separate control) for starting. |

TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

| TROUBLE | LOOK FOR | REMEDY |
|---|--|--|
| | No spark to spark plug | Spark plug lead disconnected. Connect lead. Hold spark plug lead away from engine block about 1/8". Crank engine. There should be a spark. If not, have engine repaired at authorized engine service dealer. Faulty spark plug. To test, remove spark plug. Attach spark plug lead to spark plug. Ground the spark plug body against the engine block. Crank the engine. The spark plug should fire at the electrode. Replace if it does not. |
| | No fuel to the carburetor | Gasoline tank empty. Fill. Fuel valve shut off. Open valve. Valve is located either at the bottom of the fuel tank or on the carburetor. Fuel line plugged. Remove and clean. |
| | Air filter dirty | If the air cleaner is dirty, the engine may not start. Clean or replace as recommended by the engine manufacturer. |
| Engine smokes | Engine loses crankcase vacuum | Dipstick not seated or broken. Replace defective part. Engine breather defective. Replace. |
| Excessive vibration | Bent or damaged blade spindle | Stop engine immediately. Check all pulleys, blade adapters, keys and bolts for tightness and damage. Tighten or replace any damaged parts. |
| | Bent blade | Stop engine immediately. Replace damaged blade. Only use original equipment blades. |
| Mower will not discharge grass or leaves uncut strips | Engine speed low Transmission selection Blades short or dull | Throttle must be set between 3/4 and full throttle. Use lower transmission gear. The slower your ground speed, the better the quality of cut. Sharpen or replace blades (uncut strip problem only). |

1

Models 810, 824, 834 and 836

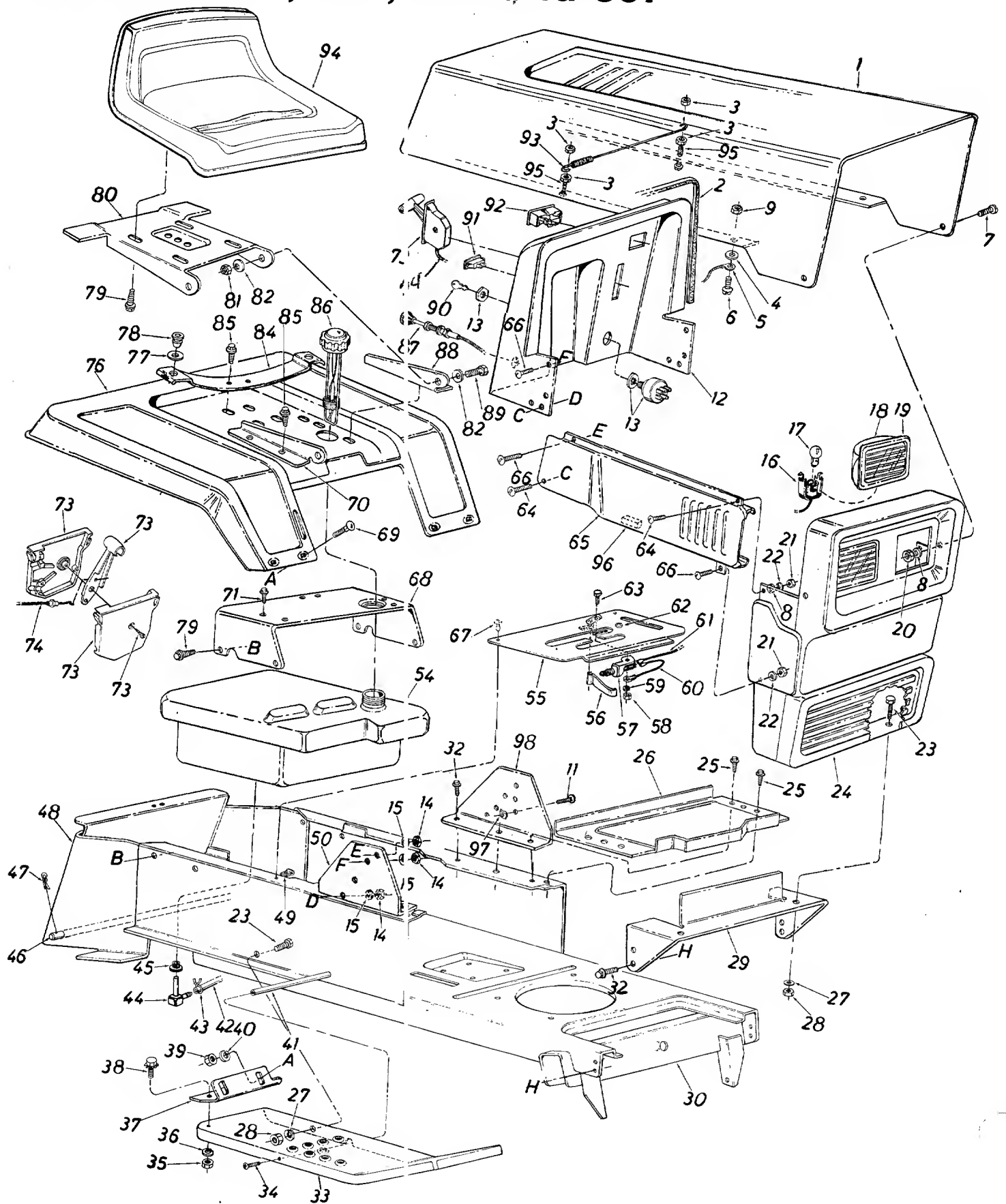


Models 810, 824, 834 and 836

PARTS LIST FOR MAIN FRAME MODELS 810, 824, 834 AND 836

| REF. NO. | PART NO. | COLOR CODE | DESCRIPTION | NEW PART | REF. NO. | PART NO. | COLOR CODE | DESCRIPTION | NEW PART |
|----------|------------|------------|---|----------|----------|------------|------------|--|----------|
| 1 | 757-0298 | | Seat Assembly | | 42 | 732-0405 | | Switch Actuator Spring | |
| 2 | 710-0286 | | Truss Mach. Scr. 1/4-20 x .50" Lg.* | | 43 | 710-0118 | | Lever | |
| 3 | 13808 —447 | | Hood | | 44 | 13801 —462 | | Hex Scr. 5/16-18 x .75" Lg.* | |
| 4 | 712-0287 | | Hex Nut 1/4-20 Thd.* | | | 14226 | | Grille Ass'y. (Painted) | |
| 5 | 736-0329 | | L-Wash. 1/4" Scr.* | | 46 | 710-0286 | | Grille Ass'y. (Chrome) | |
| 6 | 710-0286 | | Truss Mach. Scr. 1/4-20 x .50" Lg.* | | 47 | 736-0119 | | Truss Mach. Scr. 1/4-20 x .50" Lg.* | |
| 7 | 731-0511 | | Vinyl Molding Strip—29" | | 48 | 712-0267 | | L-Wash. 5/16" Scr.* | |
| 8 | 710-0689 | | Hex Nylon Scr. 1/2-13 x .75" Lg. | | 49 | 13820 | | Hex Nut 5/16-18 Thd.* | |
| 9 | 736-0192 | | Fl-Wash. .50" I.D. x 1.00" O.D. x .090 | | 50 | 710-0726 | | Lower Frame Ass'y. | |
| 10 | 723-0296 | | Hood Latch Ass'y. | | 51 | 13862 | | Hex Thd. Rolling Scr. 5/16" x .75" Lg. | |
| 11 | 725-0925 | | Ammeter | | 52 | 13863 | | Grille Mount Brkt.—R.H. | |
| 13 | 725-0459 | | Circuit Breaker 8 Amp. | | 53 | 13828 —452 | | Grille Mount Brkt.—L.H. | |
| 14 | 710-0351 | | Hex Tap Scr. #10 x .50" Lg.* | | | 13827 —452 | | Running Board—R.H. | |
| 15 | 727-0199 | | Hood Stop | | 54 | 710-0323 | | Running Board—L.H. (Not Shown) | |
| 16 | 710-0255 | | Truss Mach. Scr. 1/4-20 x .75" Lg.* | | 55 | 710-0726 | | Truss Mach. Scr. 5/16-18 x .75" Lg.* | |
| 17 | 749-0220 | | Grille Positioning Rod | | 56 | 735-0179 | | Hex Thd. Rolling Scr. 5/16-24 x .75" Lg. | |
| 18 | 722-0135 | | PVC Foam Strip 1/2 x 1.00" x 2.00" Lg. | | 57 | 731-0511 | | Grommet (Gas Tank Neck) | |
| 19 | 712-0206 | | Hex Nut 1/2-13 Thd.* | | 58 | 13810 —462 | | Vinyl Moulding Strip—30" | |
| 20 | 13123 | | Seat Spring | | | 13809 —462 | | Fender Ass'y.—R.H. | |
| 21 | 710-0599 | | Hex Thd. Rolling Scr. 1/4" x .50" Lg. | | 60 | 735-0149 | | Fender Ass'y.—L.H. (Not Shown) | |
| 22 | 712-0344 | | Speed Nut #10Z | | 61 | 751-0171 | | Bushing (Gas Tank) | |
| 23 | 14748 —462 | | Grille Side Panel—R.H. | | | | | Fuel Shut-Off Valve (Optional) | |
| | 14749 —462 | | Grille Side Panel—L.H. (Not Shown) | | | 751-0188 | | 90° Nipple (Optional) | |
| 24 | 736-0173 | | Fl-Wash. 1/4" I.D. | | 62 | 726-0199 | | Hose Clamp 3/8" | |
| 25 | 725-0634 | | Light Switch | | 63 | 751-0173 | | Gas Line 46" Lg. | |
| 26 | 710-0166 | | Truss Hd. Scr. 1/4-20 x 1.00" Lg.* | | 64 | 738-0435 | | Running Board Rod | |
| 27 | 15939 | | Dash Panel Ass'y. | | 65 | 712-0526 | | Speed Nut #10-24 | |
| 28 | 831-0692 | | Throttle Control Box Comp. | | 66 | 14466 | | Transmission Cover Ass'y. | |
| 29 | 749-0220 | | Grille Positioning Rod | | 67 | 746-0394 | | Choke Control Comp. (16 and 18 H.P.) | |
| 31 | 710-0289 | | Hex Bolt 1/4-20 x .50" Lg.* | | 71 | 731-0405 | | Snap Bushing | |
| 32 | 09960 | | Head Lamp Retainer | | 72 | 710-0473 | | Truss Hd. Scr. #10-24 x .50" Lg. | |
| 33 | 725-0201 | | Ignition Key | | 73 | 738-0482 | | Hitch Rod | |
| 34 | 725-0267 | | Ignition Switch | | 75 | 714-0147 | | Internal Cotter Pin | |
| 35 | 725-0222 | | Head Lamp | | 76 | 751-0259 | | Gas Tank | |
| 36 | 710-0255 | | Truss Machine Scr. 1/4-20 x .75" Lg.* | | 79 | 13814 | | Seat Plate | |
| 37 | 735-0144 | | Rubber Wash. .50" I.D. x 1.00 O.D. x .25 Thk. | | 80 | 710-0726 | | Hex Thd. Rolling Scr. 5/16-24 x .75" Lg. | |
| 38 | 710-0286 | | Truss Mach. Scr. 1/4-20 x .50" Lg.* | | 81 | 723-0346 | | Gas Gauge | |
| 39 | 725-0764 | | Reverse Lockout Wire | | 82 | 710-0726 | | Hex Thd. Rolling Scr. 5/16-24 x .75" Lg. | |
| | | | Harness | | 83 | 736-0222 | | External Wash. 1/4" I.D. | |
| 41 | 725-0268 | | Safety Switch | | 84 | 725-0765 | | Electric Wire | |

Models 811, 825, 835 and 837

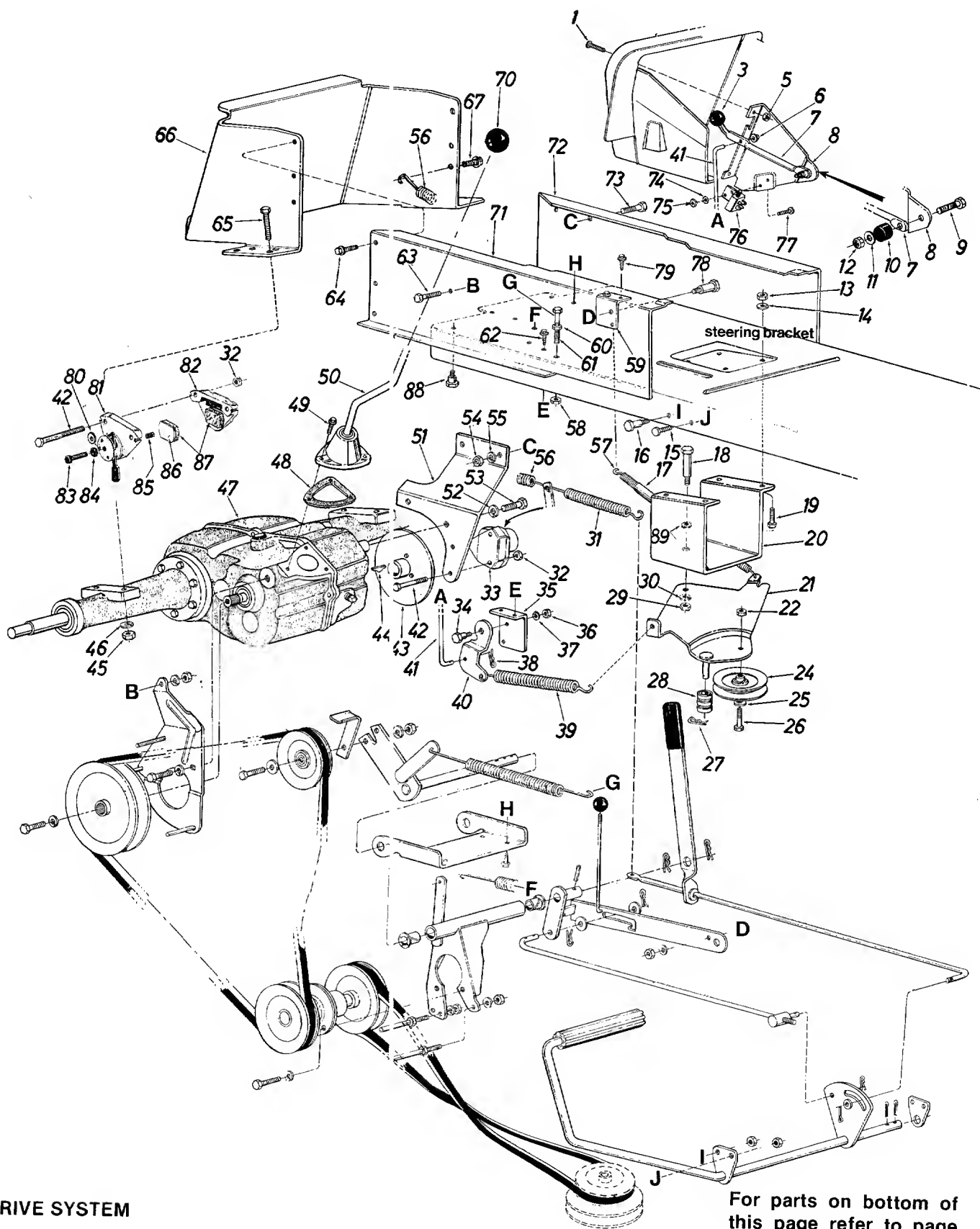


Models 811, 825, 835 and 837

PARTS LIST FOR MODELS 811, 825, 835 AND 837

| EF. O. | PART NO. | COLOR CODE | DESCRIPTION | NEW PART | REF. NO. | PART NO. | COLOR CODE | DESCRIPTION | NEW PART |
|--------|----------|------------|--|----------|----------|----------|------------|--|----------|
| 1 | 15808 | | Hood | N | 50 | 15828 | | Dash Support Brkt.—R.H. | N |
| 2 | 731-0511 | | Trim Strip—27" Lg. | | 51 | 712-0267 | | Hex Nut 5/16-18 Thd.* | |
| 3 | 712-0102 | | Hex Top L-Jam Nut #10-24 Thd.* | | 52 | 736-0119 | | L-Wash. 5/16" I.D.* | |
| 4 | 736-0931 | | FI-Wash. .20" I.D. x .41" O.D. | | 54 | 751-0367 | | Fuel Tank | N |
| 5 | 727-0290 | | Hood Stop | | 55 | 15831 | | Transmission Cover Ass'y. | N |
| 6 | 710-0473 | | Truss Hd. Mach. Scr. #10-24 x .50" Lg.* | | 56 | 732-0405 | | Switch Actuator Spring Lever | |
| 7 | 710-0255 | | Truss Hd. Mach. Scr. 1/4-20 x .75" Lg.* | | 57 | 725-0268 | | Safety Switch | |
| 8 | 736-0463 | | FI-Wash. 1/4" I.D.* | | 58 | 712-0287 | | Hex Nut 1/4-20 Thd.* | |
| 9 | 712-0272 | | Hex Sem Nut #10-24 Thd.* | | 59 | 736-0329 | | L-Wash. 1/4" I.D.* | |
| 10 | 735-0144 | | Rubber Wash. .50" I.D. x 1.00" O.D. | | 60 | 725-0765 | | Electric Wire | |
| 11 | 710-0351 | | Truss Mach. Scr. #10 x .50" Lg. | | 61 | 725-1027 | | Reverse Lockout Wire | |
| 12 | 15811 | | Dash Ass'y. (11 H.P.) | N | 62 | 731-0405 | | Harness | |
| 13 | 15812 | | Dash Ass'y. (16 & 18 H.P.) | N | 63 | 710-0289 | | Snap Bushing | |
| 14 | 725-0267 | | Ignition Switch | | 64 | 710-0255 | | Hex Bolt 1/4-20 x .50" Lg.* | |
| 15 | 712-0287 | | Hex Nut 1/4-20 Thd.* | | | | | Truss Hd. Scr. 1/4-20 x .75" Lg.* | |
| 16 | 736-0329 | | L-Wash. 1/4" I.D.* | | 65 | 15814 | | Side Panel—R.H. | N |
| 17 | 725-0964 | | Socket | N | | 15815 | | Side Panel—L.H. (Not Shown) | N |
| 18 | 725-0963 | | Lamp | N | 66 | 710-0286 | | Truss Mach. Scr. 1/4-20 x .50" Lg.* | |
| 19 | 731-0705 | | Headlight Housing | N | 67 | 726-0151 | | Fastener | |
| 20 | 731-0706 | | Lens | N | 68 | 15849 | | Seat Mounting Channel | N |
| 21 | 712-0107 | | Hex L-Nut 1/4-20 Thd. | | 69 | 710-0167 | | Carriage Bolt 1/4-20 x .50" Lg.* | |
| 22 | 712-0287 | | Hex Nut 1/4-20 Thd.* | | 70 | 15802 | | Seat Bracket—R.H. | N |
| 23 | 736-0329 | | L-Wash. 1/4" I.D.* | | 71 | 710-0600 | | Hex Wash. Hd. Self-Tap Scr. 5/16-24 x .50" Lg. | |
| 24 | 710-0118 | | Hex Bolt 5/16-18 x .75" Lg.* | N | 72 | 710-0600 | | Hex Wash Hd. Self-Tap Scr. 5/16-24 x .50" Lg. | |
| 25 | 15804 | | Grille (With Headlights) | | 73 | 831-0692 | | Throttle Control Box Ass'y. | N |
| 26 | 710-0599 | | Hex Wash. Hd. Scr. 1/4" x .50" Lg. | | 74 | 746-0501 | | Throttle Control Cable (11 H.P.) | |
| 27 | 13379 | | Battery Plate | | | 746-0503 | | Throttle Control Wire (16 & 18 H.P.) | N |
| 28 | 736-0119 | | L-Wash. 5/16" I.D.* | | 76 | 15886 | | Rear Fender | N |
| 29 | 712-0267 | | Hex Nut 5/16-18 Thd.* | N | 77 | 736-0160 | | FI-Wash. .53" I.D. x .93" O.D. | |
| 30 | 15825 | | Grille Mounting Bracket | | 78 | 731-0555 | | Grommet | |
| 31 | 13820 | | Lower Frame Ass'y. | | 79 | 710-0623 | | Hex Wash. Hd. AB-Tap Scr. 3/8 x .75" Lg. | |
| 32 | 710-0726 | | Hex Thd. Rolling Scr. 5/16-24 x .75" Lg. | | 80 | 15607 | | Seat Pivot Bracket | N |
| 33 | 13828 | | Running Board—R.H. | | 81 | 712-0158 | | Hex Cent. L-Nut 5/16-18 Thd. | |
| 34 | 13827 | | Running Board—L.H. (Not Shown) | | 82 | 736-0242 | | Belleville Wash. .34" I.D. x .88" O.D. | |
| 35 | 710-0323 | | Truss Mach. Scr. 5/16-18 x .75" Lg.* | | 84 | 732-0431 | | Seat Spring | |
| 36 | 712-0267 | | Hex Nut 5/16-18 Thd.* | | 85 | 710-0600 | | Hex Wash. Hd. Self-Tap Scr. 5/16-24 x .50" Lg. | |
| 37 | 736-0242 | | Bell-Wash. .34" I.D. x .87" O.D. | | 86 | 751-0370 | | Gas Cap w/Gauge | |
| 38 | 15846 | | Fender Brkt.—R.H. | N | 87 | 746-0394 | | Choke Control Comp. (16 & 18 H.P.) | |
| 39 | 15847 | | Fender Brkt.—L.H. (Not Shown) | N | 88 | 15803 | | Seat Bracket—L.H. | N |
| 40 | 710-0118 | | Hex Bolt 5/16-18 x .75" Lg.* | | 89 | 710-0118 | | Hex Bolt 5/16-18 x .75" Lg.* | |
| 41 | 712-0287 | | Hex Nut 1/4-20 Thd.* | | 90 | 725-0201 | | Ignition Key | |
| 42 | 736-0329 | | L-Wash. 1/4" I.D.* | | 91 | 725-0634 | | Light Switch | |
| 43 | 738-0435 | | Running Board Rod | | 92 | 725-0925 | | Ammeter | N |
| 44 | 751-0173 | | Fuel Line 60" Lg. | | 93 | 732-0462 | | Hood Spring | N |
| 45 | 726-0183 | | Hose Clamp 3/8" | | 94 | 757-0298 | | Seat Ass'y. | |
| 46 | 751-0188 | | 90° Nipple | | 95 | 710-0749 | | Hex Screw #10-24 x 1.0" Lg.* | |
| 47 | 735-0149 | | Bushing (Fuel Tank) | | 96 | 735-3005 | | Rubber Bumper | |
| 48 | 738-0482 | | Hitch Rod | | 97 | 712-0121 | | Speed Nut | |
| 49 | 714-0147 | | Internal Cotterpin | | 98 | 15829 | | Dash Support Brkt.—L.H. | N |
| 50 | 13813 | | Hitch Plate | | | | | | |
| 51 | 726-0156 | | Speed Nut | | | | | | |

Models 810, 811, 824, 825, 834, 835, 836 and 837



DRIVE SYSTEM

For parts on bottom of
this page refer to page
26.

Models 810, 811, 824, 825, 834, 835, 836 and 837

PARTS LIST FOR DRIVE SYSTEM MODELS 810, 811, 824, 825, 834, 835, 836 AND 837

| EF. O. | PART NO. | COLOR CODE | DESCRIPTION | NEW PART | REF. NO. | PART NO. | COLOR CODE | DESCRIPTION | NEW PART |
|--------|----------|------------|--|----------|----------|-------------|------------|---|----------|
| 1 | 710-0286 | | Truss Mach. Scr. 1/4-20 x .50" Lg.* | | 48 | — | | Part of Ref. No. 47 | |
| | | | | | 49 | — | | Part of Ref. No. 47 | |
| 3 | 720-0165 | | Knob—Blade Clutch | | 50 | — | | Part of Ref. No. 47 | |
| 5 | 712-0271 | | Hex Sems Nut 1/4-20 Thd.* | | 51 | 13012 | | Transaxle Support | |
| 6 | 726-0106 | | Push Cap 1/4" Rod | | 52 | 736-0169 | | L-Wash. 3/8" Scr.* | |
| 7 | 747-0157 | | Blade Clutch Lever | | 53 | 710-0216 | | Hex Scr. 3/8-16 x .75" Lg.* | |
| 8 | 13950 | | Deck Clutch Control Brkt. | | 54 | 712-0798 | | Hex Nut 3/8-16 Thd.* | |
| 9 | 710-0106 | | Hex Scr. 1/4-20 x 1.25" Lg.* | | 55 | 736-0169 | | L-Wash. 3/8" Scr.* | |
| 10 | 735-0126 | | Rubber Wash. .330 I.D. x .87 | | 56 | 732-0157 | | Ext. Spring—Brake Return | |
| 11 | 736-0173 | | FI-Wash. 1/4" I.D. x .75" O.D. x .057 | | 57 | 732-0308 | | Ext. Spring—Deck Idler Return | |
| 12 | 712-0107 | | Hex Cent. L-Nut 1/4-20 Thd. | | 58 | 712-0267 | | Hex Nut 5/16-18 Thd.* | |
| 13 | 712-0267 | | Hex Nut 5/16-18 Thd.* | | 59 | 13833 | | Parking Brake Cam Mtg. Brkt. | |
| 14 | 736-0119 | | L-Wash. 5/16" Scr.* | | 60 | 712-0267 | | Hex Nut 5/16-18 Thd.* | |
| 15 | 710-0201 | | Hex Scr. 3/8-16 x .62" Lg.* | | 61 | 710-0442 | | Hex Scr. 5/16-18 x 1.50" Lg.* | |
| 16 | 738-0143 | | Shld. Scr. 1/2" Dia. x .335 Lg. 3/8-16 | | 62 | 710-0599 | | Hex Thd. Rolling Scr. 1/4-20 x .50" Lg. | |
| 17 | 731-0483 | | Convolved Conduit .50 I.D. x 4" Lg. | | 63 | 710-0216 | | Hex Scr. 3/8-16 x .75" Lg.* | |
| 18 | 738-0155 | | Shld. Scr. 7/16 Dia. x .16" 5/16-18 | | 64 | 710-0726 | | Hex AB-Tap Scr. 5/16 x .75" Lg. | |
| 19 | 710-0376 | | Hex Scr. 5/16-18 x 1.00" Lg.* | | 65 | 710-0344 | | Hex Scr. 3/8-16 x 1.50" Lg.* | |
| 20 | 13826 | | Idler Mtg. Brkt.—Deck | | 66 | 13813 | | Hitch Plate | |
| 21 | 13893 | | Idler Brkt. Ass'y. | | 67 | 710-0601 | | Hex Thd. Rolling Scr. 5/16-24 x .75" Lg. | |
| 22 | 712-0181 | | Hex L-Nut 3/8-16 Thd.* | | 70 | 720-0165 | | Knob—Transaxle | |
| 24 | 756-0293 | | 4"—"V" Idler Pulley | | 71 | 13848 | | Side Panel Upper Frame—R.H. | |
| 25 | 736-0300 | | FI-Wash. 3/8" I.D. | | 72 | 13847 | | Side Panel Upper Frame—L.H. | |
| 26 | 710-0342 | | Hex Scr. 3/8-16 x 1.25" Lg.* | | 73 | 710-0216 | | Hex Scr. 3/8-16 x .75" Lg.* | |
| 27 | 714-0104 | | Hairpin Cotter 5/16" Rod | | 74 | 736-0147 | | Ext. L-Wash. #10 Scr.* | |
| 28 | 748-0278 | | Spacer | | 75 | 712-0121 | | Hex Nut #10-24 Thd.* | |
| 29 | 712-0267 | | Hex Nut 5/16-18 Thd.* | | 76 | 725-0465 | | Safety Switch (Deck) | |
| 30 | 736-0119 | | L-Wash. 5/16" Scr.* | | 77 | 710-0473 | | Truss Mach. Scr. #10-24 x .50" Lg.* | |
| 31 | 732-0260 | | Ext. Spring—Brake Rod | | 78 | 738-0155 | | Shld. Scr. 7/16" Dia. x .16" Lg. 5/16-18 | |
| 32 | 712-0375 | | Hex Cent. L-Nut 3/8-16 Thd. | | 79 | 710-0599 | | Hex Thd. Rolling Scr. 1/4-20 x .50" Lg. | |
| 33 | 761-0178 | | Disc Brake Caliper Ass'y. | | 80 | HU-20-9764 | | Washer | |
| 34 | 738-0155 | | Shld. Scr. 7/16" Dia. x .16" Lg. 5/16-18 | | 81 | HU-37-70066 | | Housing with Lever & Pin | |
| 35 | 13833 | | Parking Brake Cam Mtg. Brkt. | | 82 | HU-16-13807 | | Anvil | |
| 36 | 712-0267 | | Hex Nut 5/16-18 Thd.* | | 83 | HU-39-13775 | | Pin, Adjuster | |
| 37 | 736-0119 | | L-Wash. 5/16" Scr.* | | 84 | HU-37-13818 | | Nut | |
| 38 | 714-0104 | | Hairpin Cotter 5/16" Dia. | | 85 | HU-39-13774 | | Pin, Actuator | |
| 39 | 732-0384 | | Ext. Spring—Deck Control | | 86 | HU-25-13808 | | Backing Plate | |
| 40 | 13887 | | Deck Control Pivot Brkt. | | 87 | HU-24-13772 | | Lining | |
| 41 | 747-0307 | | Deck Control Rod | | 88 | 738-0255 | | Shld. Bolt .375" Dia. x .180" Lg. 1/4-20 Thd. | |
| 42 | 710-0937 | | Hex Scr. 3/8-16 x 2.50" Lg.* | | 89 | 736-0141 | | Wave Washer | |
| 43 | 761-0142 | | Hub & Disc Ass'y. (For Brake) | | | | | | |
| 44 | 714-0137 | | Hi-Pro Key 3/16 x 3/4" Lg. | | | | | | |
| 45 | 712-0798 | | Hex Nut 3/8-16 Thd.* | | | | | | |
| 46 | 736-0169 | | L-Wash. 3/8" Scr.* | | | | | | |
| 47 | — | | Transaxle (See page 30 for Breakdown) | | | | | | |

(462—Red Flake)

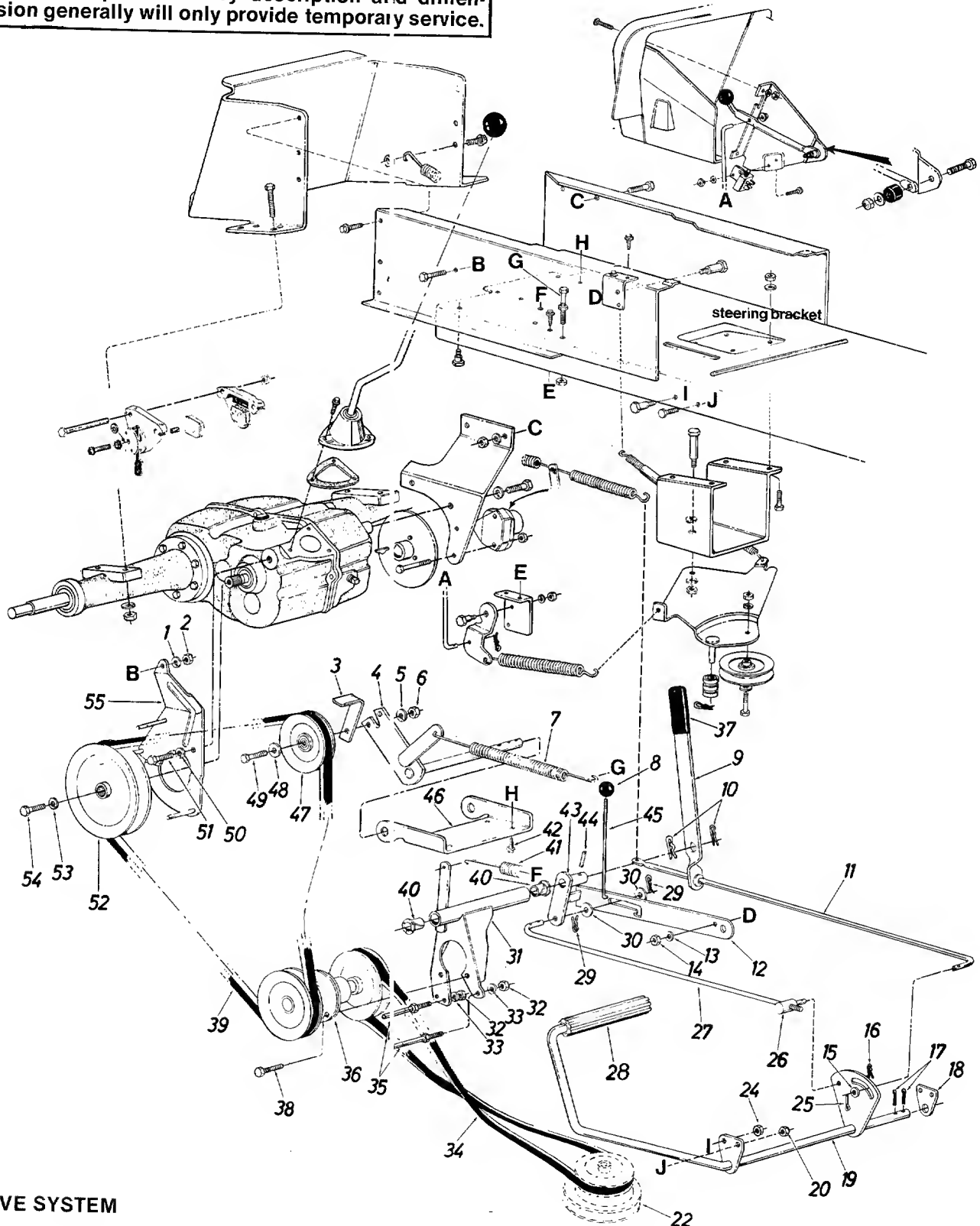
*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size shown on parts list.

When ordering parts if color is important, use the appropriate color code listed above. (e.g. 12369—462—Red Flake.)

Models 810, 811, 824, 825, 834, 835, 836 and 837

IMPORTANT: Belts listed by Part Number are of special construction and should be used when replacement is necessary. The dimensions and description given are for general reference only and belts purchased by description and dimension generally will only provide temporary service.

For parts on top of this page refer to page 24.



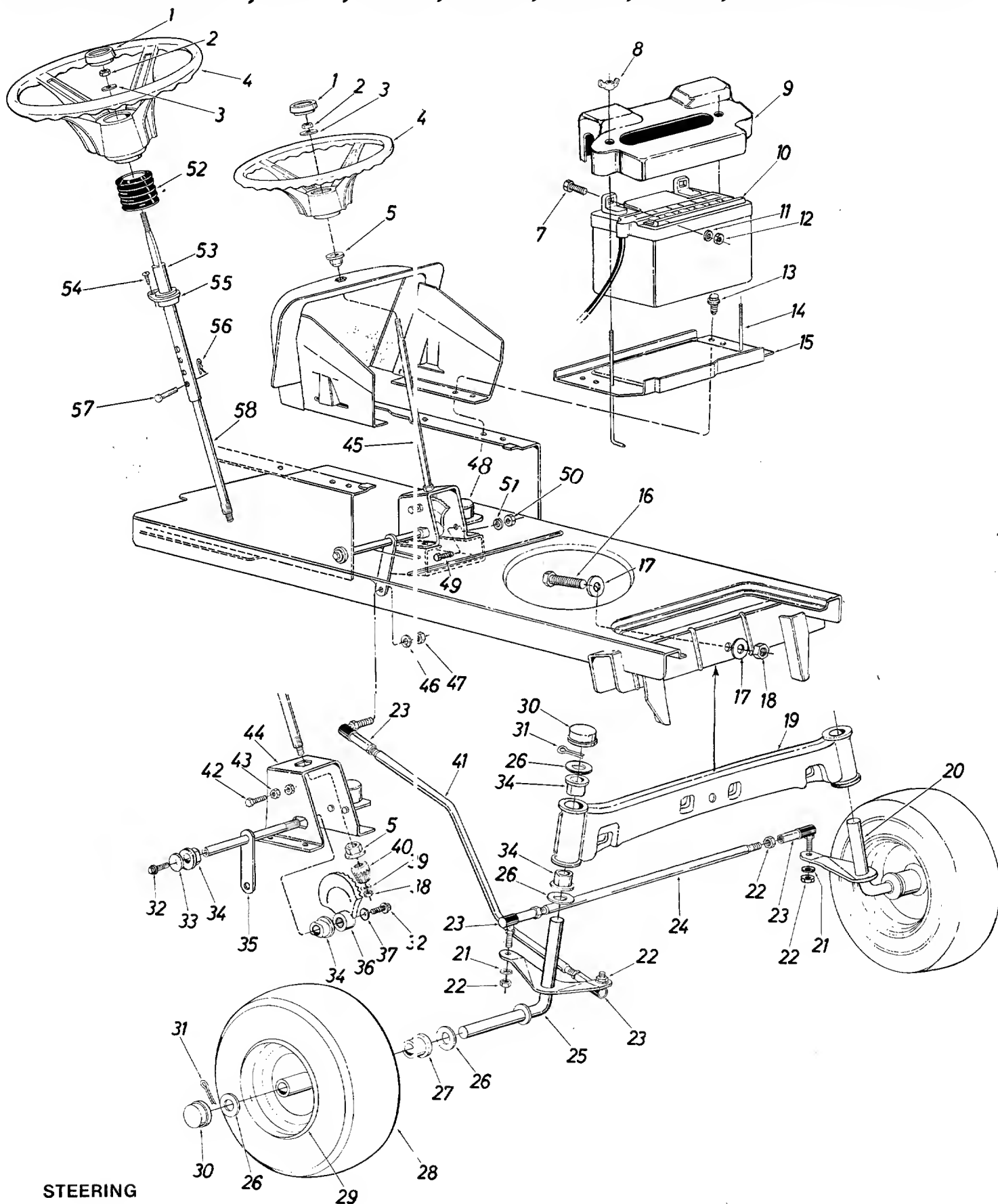
DRIVE SYSTEM

Models 810, 811, 824, 825, 834, 835, 836 and 837

PARTS LIST FOR DRIVE SYSTEM MODELS 810, 811, 825, 834, 835, 836 AND 837

| REF. NO. | PART NO. | COLOR CODE | DESCRIPTION | NEW PART | REF. NO. | PART NO. | COLOR CODE | DESCRIPTION | NEW PART |
|----------|----------|------------|------------------------------|----------|----------|----------|------------|--------------------------------|----------|
| 1 | 736-0169 | | L-Wash. 3/8" Scr.* | | 32 | 712-0798 | | Hex Nut 3/8-16 Thd.* | |
| 2 | 712-0798 | | Hex Nut 3/8-16 Thd.* | | 33 | 736-0169 | | L-Wash. 3/8" Scr.* | |
| 3 | 13819 | | Belt Guard (Clutch Idler) | | 34 | 754-0245 | | "V"-Belt 1/2 x 59" Lg. | |
| 4 | 13815 | | Clutch Brkt. Ass'y. ~ | | | | | (Polyester) | |
| 5 | 736-0169 | | L-Wash. 3/8" Scr.* | | 35 | 711-0696 | | Stud 3/8-16 x 3.62" Lg. | |
| 6 | 712-0798 | | Hex Nut 3/8-16 Thd.* | | | | | Special | |
| 7 | 732-0384 | | Ext. Spring (Drive Idler) | | 36 | 756-0324 | | Jack Shaft Ass'y. | |
| 8 | 720-0166 | | Knob (Parking Brake) | | 37 | 720-0189 | | Flat Grip | |
| 9 | 13872 | | Hand Brake Lever | | 38 | 710-0198 | | Hex Sem Scr. 5/16-18 x .75" | |
| 10 | 714-0117 | | Hairpin Cotter 5/8" Dia. | | | | | Lg.* | |
| 11 | 747-0304 | | Brake Rod | | 39 | 754-0244 | | "V"-Belt 1/2 x 40" Lg. | |
| 12 | 13832 | | Parking Brake Cam | | | | | (Kevlar) | |
| 13 | 736-0119 | | FI-Wash. 5/16" Scr. | | 40 | 741-0295 | | Nyliner 5/8" I.D. x .88" Lg. | |
| 14 | 712-0267 | | Hex Nut 5/16-18 Thd.* | | 41 | 732-0153 | | Ext. Spring (Jack Shaft) | |
| 15 | 736-0275 | | FI-Wash. 5/16" Scr. | | 42 | 710-0599 | | Hex Thd. Rolling Scr. 1/4-20 x | |
| 16 | 714-0145 | | Hairpin Cotter 3/8" Rod | | | | | .50" Lg. | |
| 17 | 714-0474 | | Cotter Pin 1/8" Dia. x 1.00" | | 43 | 13871 | | Clutch-Idler Horn Ass'y. | |
| | | | Lg.* | | 44 | 715-0108 | | Spring Pin Spiral 1/4" Dia. x | |
| 18 | 13859 | | Clutch Rod Brg. Brkt. | | | | | 1.00" Lg. | |
| 19 | 13856 | | Clutch—Brake Pedal Ass'y. | | 45 | 747-0300 | | Parking Brake Link | |
| 20 | 712-0375 | | Hex Cent. L-Nut 3/8-16 Thd.* | | 46 | 13822 | | Idler Mtg. Brkt.—Drive | |
| 22 | 756-0328 | | Engine Pulley 4.75 & 5.56 | | 47 | 756-0293 | | 4" "V"-Idler Pulley | |
| 24 | 712-0375 | | Hex Cent. L-Nut 3/8-16 Thd.* | | 48 | 736-0300 | | FI-Wash. 3/8" I.D. | |
| 25 | 714-0115 | | Cotter Pin 3/32" Dia. x .75" | | 49 | 710-0347 | | Hex Scr. 3/8-16 x 1.75" Lg.* | |
| | | | Lg.* | | 50 | 736-0169 | | L-Wash. 3/8" Scr.* | |
| 26 | 711-0198 | | Pivot Bushing | | 51 | 710-0216 | | Hex Scr. 3/8-16 x .75" Lg.* | |
| 27 | 747-0306 | | Brake Cam Rod | | 52 | 756-0332 | | "V"-Pulley 7.0" O.D. | |
| 28 | 735-0196 | | Foot Pad | | | | | (Transaxle) | |
| 29 | 714-0145 | | Hairpin Cotter 3/8" Rod | | 53 | 736-0169 | | L-Wash. 3/8" Scr.* | |
| 30 | 736-0101 | | FI-Wash. 3/8" I.D. x 1.00" | | 54 | 710-0180 | | Hex Scr. 3/8-24 x .75" Lg.* | |
| | | | O.D. x .030 | | 55 | 13829 | | Belt Guard Ass'y. | |
| 31 | 13823 | | Jack Shaft Mtg. Brkt. Ass'y. | | | | | | |

Models 810, 811, 824, 825, 834, 835, 836 and 837



STEERING

Models 810, 811, 824, 825, 834, 835, 836 and 837

PARTS LIST FOR STEERING MODELS 810, 811, 824, 825, 834, 835, 836 AND 837

| REF. NO. | PART NO. | COLOR CODE | DESCRIPTION | NEW PART | REF. NO. | PART NO. | COLOR CODE | DESCRIPTION | NEW PART |
|----------|----------|------------|--|----------|----------|----------|------------|---|----------|
| 1 | 731-0220 | | Steering Wheel Cap | | 32 | 710-0180 | | Hex Scr. 3/8-24 x .75" Lg. Grade 5 | |
| 2 | 712-0158 | | Hex Cent. L-Nut 5/16-18 Thd. | | 33 | 736-0133 | | Fl-Wash. 3/8 I.D. x 1.25 O.D. x .090 | |
| 3 | 736-0242 | | Bell-Wash. 5/16" I.D. x .87" O.D. x .060 | | 34 | 741-0199 | | Flange Double "D" Brg. .753 I.D. | |
| 4 | 731-0356 | | Steering Wheel | | 35 | 12749 | | Steering Arm Shaft Ass'y. | |
| 5 | 741-0225 | | Plastic Hex Bearing 5/8" I.D.† | | 36 | 748-0236 | | Side Gear—Steering | |
| 7 | 710-0258 | | Hex Scr. 1/4-20 x .62" Lg. | | 37 | 736-0105 | | Bell-Wash. 3/8" I.D. | |
| 8 | 712-0113 | | Wing Nut Plastic 1/4-20 Thd. | | 38 | 712-0237 | | Hex Cent. L-Nut 5/16-24 Thd. | |
| 9 | 731-0707 | | Battery Cover | | 39 | 736-0264 | | Fl-Wash. 5/16" I.D. x .62 O.D. x .059 | |
| 10 | 725-0453 | | 12-V Battery | | 40 | 748-0237 | | Pinion Gear—Steering | |
| 11 | 736-0329 | | L-Wash. 1/4" Scr.* | | 41 | 747-0302 | | Drag Link | |
| 12 | 712-0287 | | Hex Nut 1/4-20 Thd.* | | 42 | 710-0670 | | Hex Nylon Scr. 3/8-16 x 1.25" Lg. | |
| 13 | 710-0599 | | Hex Thd. Rolling Scr. 1/4-20 x .50" Lg. | | 43 | 712-0798 | | Hex Nut 3/8-16 Thd.* | |
| 14 | 711-0222 | | Battery Hold Down Rod | | 44 | 12850 | | Steering Gear Sup. Ass'y. | |
| 15 | 13379 | | Battery Plate | | 45 | 738-0317 | | Steering Shaft† | |
| 16 | 710-0533 | | Hex Scr. 5/8-18 x 2.50" Lg.* | | 46 | 736-0169 | | L-Wash. 3/8" Scr.* | |
| 17 | 736-0282 | | Flat Wash. .66" I.D. x 2.25" O.D. x .17 | | 47 | 712-0241 | | Hex Nut 3/8-24 Thd.* | |
| 18 | 712-0923 | | Hex Cent. L-Nut 5/8-18 Thd. | | 48 | 725-0771 | | Solenoid | |
| 19 | 13865 | | Front Pivot Bar Ass'y. | | 49 | 710-0258 | | Hex Scr. 1/4-20 x .62" Lg. | |
| 20 | 13839 | | Front Axle Ass'y.—L.H. | | 50 | 712-0287 | | Hex Nut 1/4-20 Thd.* | |
| 21 | 736-0169 | | L-Wash. 3/8" Scr.* | | 51 | 736-0329 | | L-Wash. 1/4" Scr.* | |
| 22 | 712-0241 | | Hex Nut 3/8-24 Thd.* | | 52 | 731-0559 | | Steering Bellow†† | |
| 23 | 723-0156 | | Ball Joint Ass'y. | | 53 | 14775 | | Upper Steering Shaft†† | |
| 24 | 747-0301 | | Tie Rod | | 54 | 710-0837 | | Oval Hd. Cr.-Sunk Scr. #10 x 5/8" Lg.†† | |
| 25 | 13838 | | Front Axle Ass'y.—R.H. | | 55 | 741-0356 | | Fl-Bearing .89" I.D. x 1.36" O.D.†† | |
| 26 | 736-0316 | | Fl-Wash. .780 I.D. x 1.59 O.D. | | 56 | 714-0147 | | Hairpin Cotter†† | |
| 27 | ** | | Flange Bearing | | 57 | 711-0684 | | Clevis Pint†† | |
| 28 | ** | | Front Wheel Ass'y. Comp. | | 58 | 738-0588 | | Lower Steering Shaft†† | |
| 29 | ** | | Front Wheel Rim Only | | | | | | |
| 30 | 731-0484 | | Dust Cover | | | | | | |
| 31 | 714-0121 | | Cotter Pin 5/32" Dia. x 1.00" Lg.* | | | | | | |

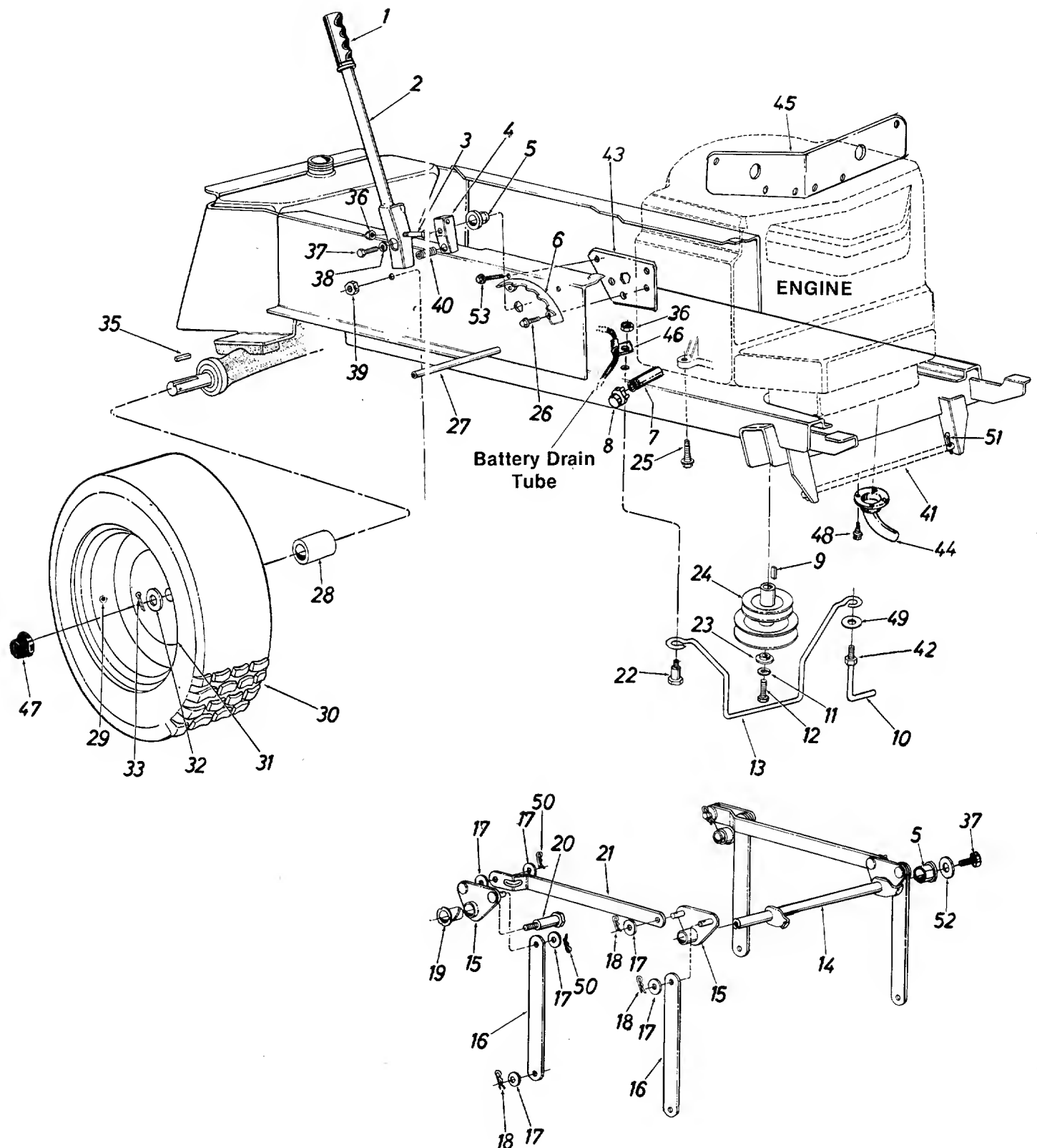
†Models 810, 824, 834 and 836 only.

††Models 811, 825, 835 and 837 only.

**FRONT WHEEL CHART

| Description | 16 x 6.50—Part No. | 15 x 6.00—Part No. |
|----------------------|--------------------|--------------------|
| Wheel Assembly Comp. | 734-1006 | 734-0960 |
| Tire Only | 734-0526 | 734-0498 |
| Rim Only | 734-0787 | 734-0961 |
| Bearing | 741-0312 | 741-0382 |
| Air Valve | 734-0255 | 734-0255 |
| Grease Fitting | 737-0146 | 737-0146 |

Models 810, 811, 824, 825, 834, 835, 836 and 837



DECK LINKAGE

Models 810, 811, 824, 825, 834, 835, 836 and 837

PARTS LIST FOR DECK LINKAGE MODELS 810, 811, 824, 825, 834, 835, 836 AND 837

| REF. NO. | PART NO. | COLOR CODE | DESCRIPTION | NEW PART | REF. NO. | PART NO. | COLOR CODE | DESCRIPTION | NEW PART |
|----------|----------|------------|--|----------|----------|---------------------------|------------|---|----------|
| 1 | 720-0157 | | Grip | | 27 | 738-0435 | | Running Board Rod | |
| 2 | 14233 | | Lift Handle Ass'y. | | 28 | 750-0490 | | Spacer 1.0" I.D. x 1.25" O.D. x 2.12" Lg. | |
| 3 | 710-0442 | | Hex Scr. 5/16-18 x 1.50" Lg.* | | 29 | 734-0255 | | Air Valve | |
| 4 | 748-0274 | | Lift Shaft Drive | | 30 | ** | | Rear Wheel Ass'y. Comp. | |
| 5 | 741-0225 | | Plastic Hex Brg. 5/8" I.D. | | 31 | ** | | Rear Wheel Rim Only | |
| 6 | 14231 | | Index Brkt. Deck Lift | | 32 | 736-0345 | | Flat Washer | |
| 7 | 737-0164 | | Pipe Nipple 3/8-18 Npt. | | 33 | 714-0142 | | Cotter Pin 3/16" Dia. x 1.50" Lg. | |
| 8 | 737-0143 | | Pipe Cap 3/8-18 Npt. | | 35 | 714-0120 | | Sq. Key 1/4 x 3.0" | |
| 9 | 714-0118 | | Sq. Key 1/4" x 1/4" x 1.50" Lg. | | 36 | 712-0158 | | Hex Cent. L-Nut 5/16-18 Thd. | |
| 10 | 747-0216 | | Belt Guard Lock Pin | | 37 | 710-0237 | | Hex Scr. 5/16-24 x .62" Lg.* | |
| 11 | 736-0171 | | L-Wash. 7/16" Scr.* | | 38 | 736-0119 | | L-Wash. 5/16" Scr.* | |
| 12 | 710-0757 | | Hex Scr. 7/16-20 x 1.50" Lg. | | 39 | 712-0181 | | Hex Top L-Nut 3/8-16 Thd. | |
| 13 | 747-0299 | | Belt Guard | | 40 | 732-0369 | | Compression Spring | |
| 14 | 13889 | | Lift Shaft Ass'y. | | 41 | 738-0392 | | Deck Connecting Rod | |
| 15 | 13895 | | Lift Pivot Brkt. Ass'y. | | 42 | 712-0123 | | Hex Nut 5/16-24 Thd.* | |
| 16 | 14399 | | Link (Deck) | | 43 | 14170 | | Index Brkt. Reinforcement Plate | |
| 17 | 736-0192 | | Fl-Wash. 1/2" I.D. x 1.00" O.D. x .090 | | 44 | 751-0275 <i>new style</i> | | Exhaust Pipe (16 and 18 H.P.) | |
| 18 | 714-0101 | | Hairpin Cotter | | 45 | 4282-15826 | | Heat Shield (18 H.P. Only) | |
| 19 | 741-0295 | | Nyliner 5/8" I.D. x .88" Lg. | | 46 | 726-0175 | | Mounting Clamp (16 and 18 H.P.) | |
| 20 | 738-0445 | | Shld. Scr. 5/8" Dia. x .96" Lg. 3/8-16 | | 47 | 731-0556 | | Hub Cap | |
| 21 | 13790 | | Connecting Link | | 48 | 710-0224 | | Hex Wash. Hd. AB-Tap Scr. #10 x .50" Lg. | |
| 22 | 738-0296 | | Shld. Scr. .437 Dia. x .268 Lg. 5/16-18 | | 49 | 736-0242 | | Belle-Wash. .39" I.D. | |
| 23 | 736-0322 | | Flat Wash. .44" I.D. x 1.25" O.D. x .17 | | 50 | 714-0111 | | Cotter Pin .09 Dia. x 1.0" Lg. | |
| 24 | 756-0328 | | Two-Step Engine Pulley 4.75" & 5.56 | | 51 | 714-0149 | | Int. Cotter Pin | |
| 25 | 710-0502 | | Hex Wash. Hd. Scr. 3/8-16 x 1.25" Lg. | | 52 | 736-0231 | | Flat Wash. .34" I.D. x 1.12" O.D. x .125 | |
| 26 | 710-0600 | | Hex Thd. Rolling Scr. 5/16-24 x .50" Lg. | | 53 | 710-0726 | | Hex Wash. Hd. AB-Tap Scr. 5/16 x .62" Lg. | |

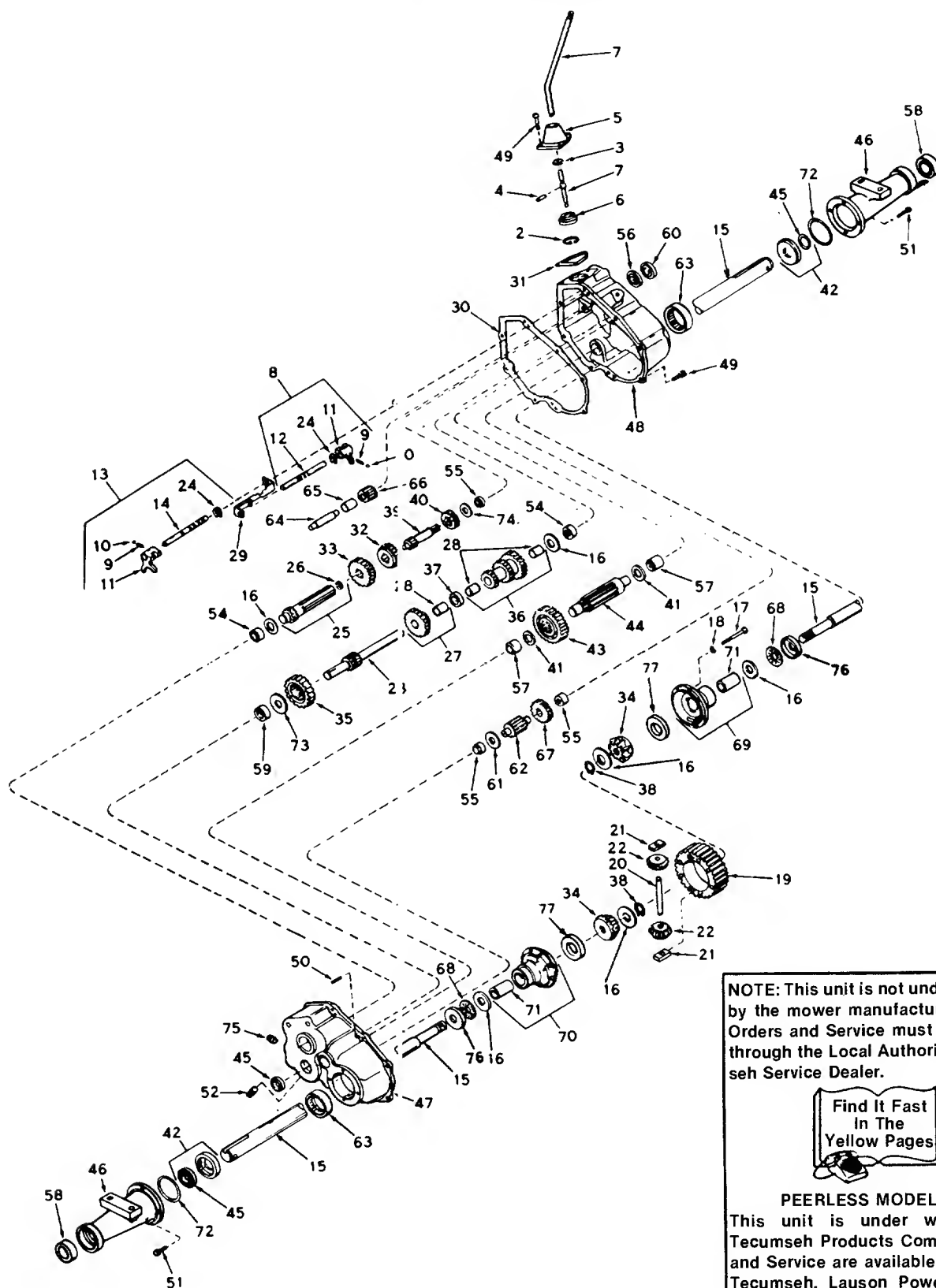
The engine is not under warranty by the mower manufacturer. If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."



**REAR WHEEL CHART

| Description | 23 x 9.50—Part No. | 22 x 7.50—Part No. |
|----------------------|--------------------|--------------------|
| Wheel Assembly Comp. | 734-1005 | 734-1004 |
| Tire Only | 734-0322 | 734-0967 |
| Rim Only | 734-1015 | 734-1015 |

Models 810, 811, 824, 825, 834, 835, 836 and 837



NOTE: This unit is not under warranty by the mower manufacturer. All Part Orders and Service must be handled through the Local Authorized Tecumseh Service Dealer.



PEERLESS MODEL 2351

This unit is under warranty by Tecumseh Products Company. Parts and Service are available through all Tecumseh, Lauson Power Products Service Dealers. Check the "Yellow Pages" of your telephone directory under "Engines—Gasoline."

TRANS-AXLE MODEL 2351 (717-0450)

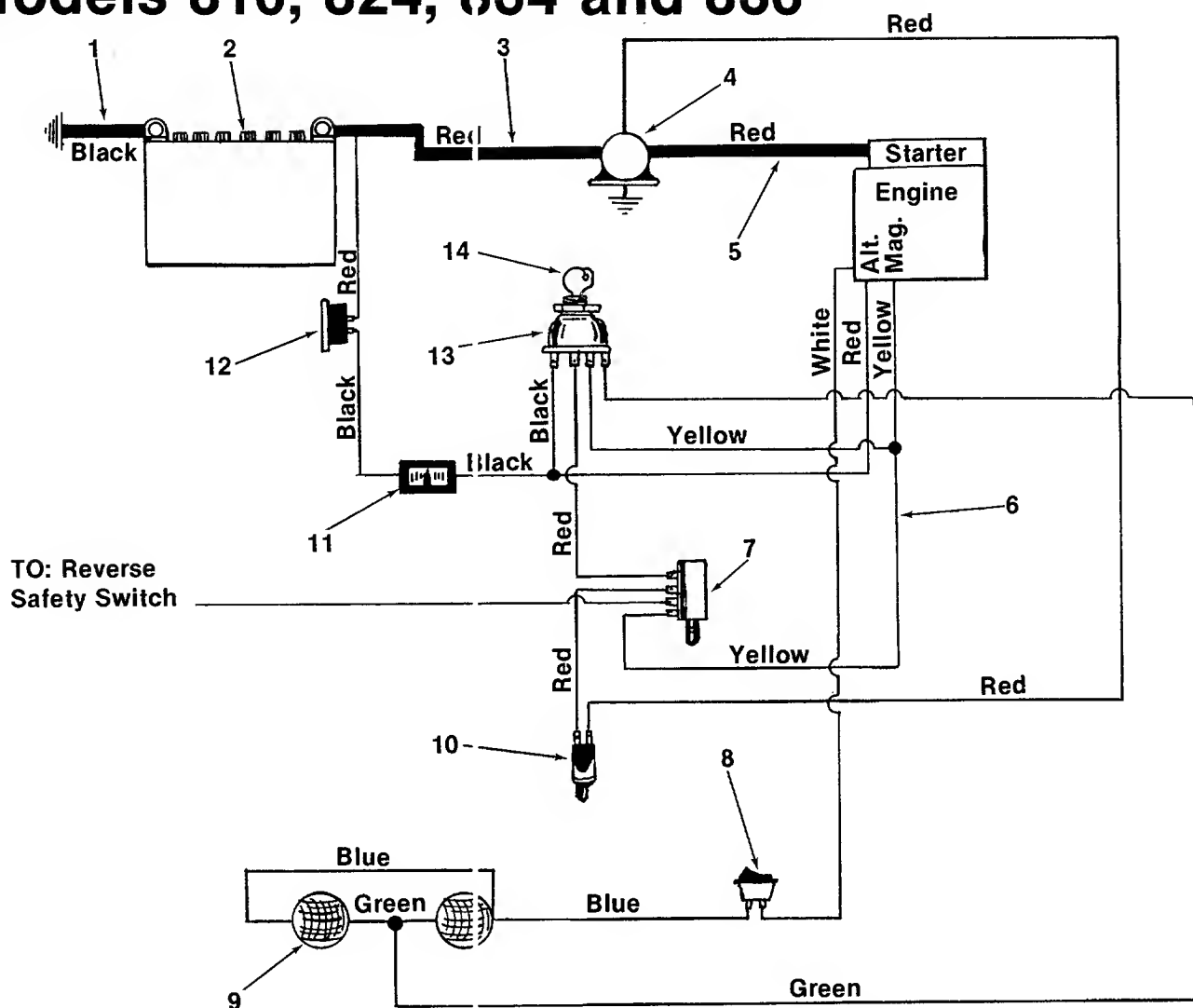
Models 810, 811, 824, 825, 834, 835, 836 and 837

PARTS LIST FOR TRANSAXLE PEERLESS MODEL 2351 (717-0450)

| REF. NO. | PART NO. | DESCRIPTION | REF. NO. | PART NO. | DESCRIPTION |
|----------|------------|---|----------|------------|--|
| 2 | PE-792016 | Ring, Snap | 41 | PE-780052 | Washer, Thrust |
| 3 | PE-792001 | Ring, Quad | 42 | PE-788021 | Seal and Retainer Ass'y., Oil (Incl. No. 45) |
| 4 | PE-792049 | Pin, Roll | 43 | PE-778036 | Gear, Output |
| 5 | PE-784093 | Housing, Shift Lever | 44 | PE-776028 | Pinion, Output |
| 6 | PE-784094 | Keeper, Shift Lever | 45 | PE-788008 | Seal, Oil |
| 7 | PE-784308 | Lever, Shift | 46 | PE-782025 | Housing, Axle |
| 8 | PE-784054 | Rod Ass'y., Shift (Incl. Nos. 9 thru 12 and 24) | 47 | PE-772016A | Cover Ass'y., Transaxle (Incl. Nos. 54, 55, 57, 59 and 63) |
| 9 | PE-792003 | Spring | 48 | PE-770012 | Case Ass'y., Transaxle (Incl. Nos. 54, 55, 57 and 63) |
| 10 | PE-792004 | Ball, Steel | 49 | PE-792007 | Screw, Socket Hd., 1/4-20 x 3/4 |
| 11 | PE-784004 | Fork, Shifter | 50 | PE-786026 | Pin, Dowel |
| 12 | PE-784055 | Rod, Shifter (3rd and 4th) | 51 | PE-792037 | Screw, Hex Hd. Sems, 5/16-18 x 1 |
| 13 | PE-784056 | Rod Ass'y., Shift (Incl. Nos. 9, 10, 11, 14 and 24) | 52 | PE-792019 | Plug, Magnetic Drain |
| 14 | PE-784057 | Rod, Shifter (Low) | 54 | PE-780049 | Bearing, Needle |
| 15 | PE-774433 | Axle (18-11/32" Long) | 55 | PE-530105 | Bearing, Needle |
| 16 | PE-780042 | Washer, Thrust | 56 | PE-780024 | Bearing, Ball |
| 17 | PE-792005 | Scr., Hex Hd., 1/4-20 x 2 1/2 | 57 | PE-780047 | Bearing, Needle |
| 18 | PE-792006 | Lock Washer, 1/4" | 58 | PE-780050 | Bearing, Ball |
| 19 | PE-778033A | Gear, Ring | 59 | PE-780046 | Bearing, Needle |
| 20 | PE-786019 | Pin, Drive | 60 | PE-788025 | Seal, Oil |
| 21 | PE-786027 | Block, Drive | 61 | PE-780001 | Washer |
| 22 | PE-778094 | Pinion, Bevel | 62 | PE-776031 | Shaft and Pinion |
| 23 | PE-776029A | Shaft and Gear, Brake | 63 | PE-780048 | Bearing, Needle |
| 24 | PE-792017 | Ring, Snap | 64 | PE-776030 | Shaft, Reverse Idler |
| 25 | PE-776189A | Shaft and Bearing Ass'y., Pinion (Incl. No. 26) | 65 | PE-786025 | Spacer, Reverse Idler |
| 26 | PE-780018 | Bearing, Needle | 66 | PE-778016 | Idler, Reverse |
| 27 | PE-778034 | Gear Cluster Ass'y. (Incl. No. 28) | 67 | PE-778038 | Spur Gear (22 Teeth) |
| 28 | PE-780053 | Bushing | 68 | PE-780039 | Bearing, Thrust |
| 29 | PE-784074 | Stop, Shifter | 69 | PE-774072A | Carrier Ass'y., Differential (Incl. No. 71) |
| 30 | PE-788023 | Gasket, Case and Cover | 70 | PE-774071A | Carrier Ass'y, Differential (Incl. No. 71) |
| 31 | PE-788022 | Gasket, Shifter Lever Housing | 71 | PE-780041 | Bushing |
| 32 | PE-778019A | Gear, Shifting (3rd and 4th) | 72 | PE-788024 | "O" Ring |
| 33 | PE-778020 | Gear, Shifting (1st, 2nd and Rev.) | 73 | PE-780007 | Washer, Thrust |
| 34 | PE-778095 | Gear, Bevel | 74 | PE-780051 | Washer, Thrust |
| 35 | PE-778037 | Gear, Idler | 75 | PE-792010 | Plug, Pipe |
| 36 | PE-778035A | Gear Cluster Ass'y. (Incl. No. 28) | 76 | PE-780075 | Race, Thrust |
| 37 | PE-786024 | Spacer | 77 | PE-780107 | Washer |
| 38 | PE-792018 | Ring, Snap | | | |
| 39 | PE-776175 | Shaft, Input | | | |
| 40 | PE-778024A | Spur Gear, Input Shaft | | | |

*Shift lever is not shipped with transaxle. Order separately.

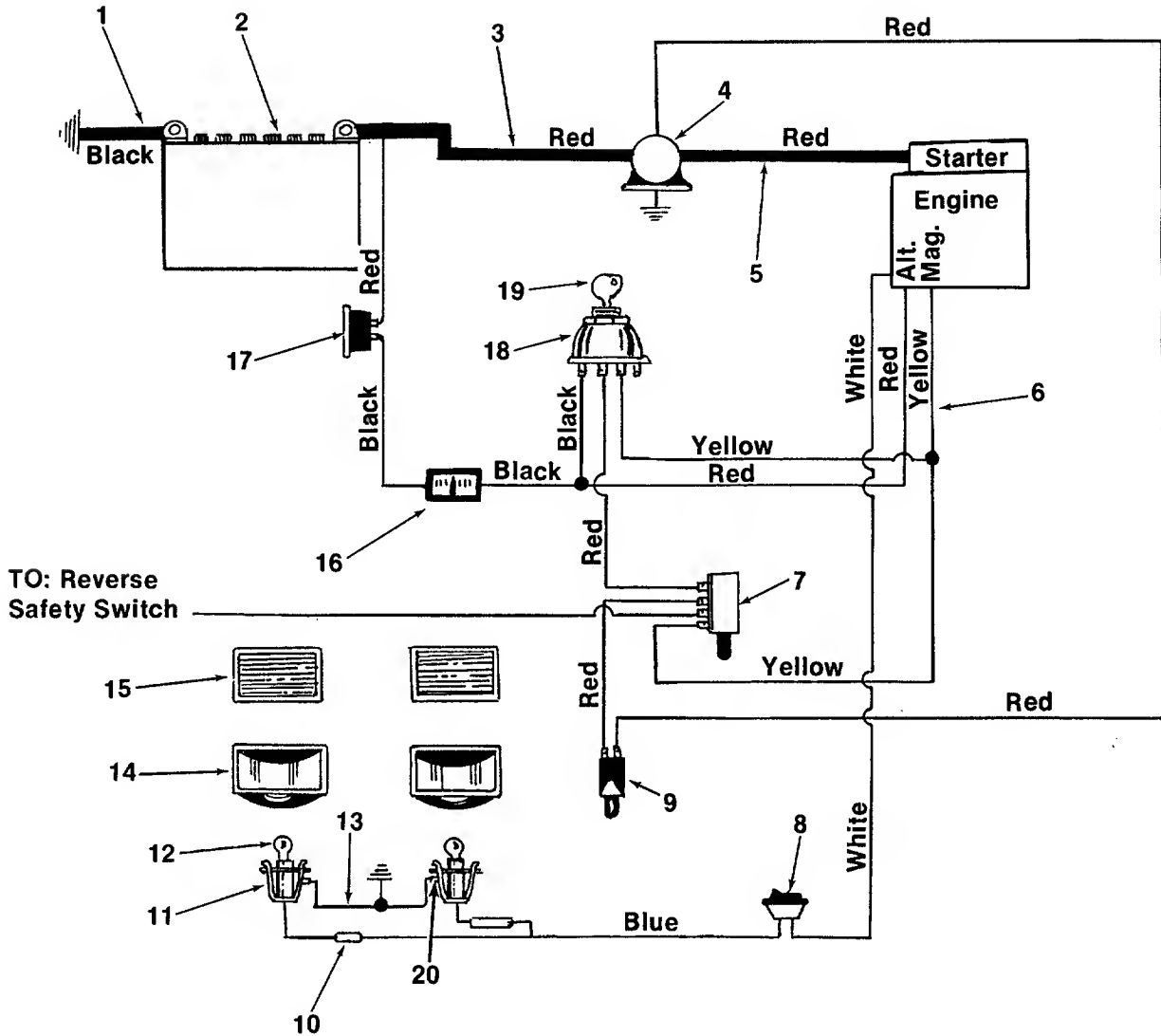
Models 810, 824, 834 and 836



PARTS LIST FOR ELECTRICAL SYSTEM MODELS 810, 824, 834 AND 836

| REF. NO. | PART NO. | DESCRIPTION |
|----------|----------|---------------------------------------|
| 1 | 725-0996 | Electric Ground Wire (Black Negative) |
| 2 | 725-0453 | 12V-Battery |
| 3 | 725-0561 | Electric Wire (Red Positive) |
| | 725-0564 | Electric Wire (Red Positive) (810) |
| 4 | 725-0771 | Solenoid |
| 5 | 725-0563 | Electric Wire (824, 834 & 836) |
| | 725-0564 | Electric Wire (810) |
| 6 | 725-1021 | Wire Harness (824, 834 & 836) |
| | 725-1020 | Wire Harness (810) |
| 7 | 725-0465 | Safety Switch (P.T.O.) |
| 8 | 725-0634 | Light Switch |
| 9 | 725-0222 | Head Lights |
| 10 | 725-0268 | Safety Switch (Clutch) |
| 11 | 725-0925 | Ammeter |
| 12 | 725-0459 | Circuit Breaker |
| 13 | 725-0267 | Ignition Switch |
| 14 | 725-0201 | Ignition Key |

Models 811, 825, 835 and 837



PARTS LIST FOR ELECTRICAL SYSTEM MODELS 811, 825, 835 AND 837

| REF. NO. | PART NO. | DESCRIPTION | REF. NO. | PART NO. | DESCRIPTION |
|----------|----------|---|----------|----------|------------------------|
| 1 | 725-0996 | Electric Wire (Black Negative) | 8 | 725-0634 | Light Switch |
| 2 | 725-0453 | 12V-Battery | 9 | 725-0268 | Safety Switch (Clutch) |
| 3 | 725-0561 | Electric Wire (Red Positive) (825, 835 & 837) | 10 | 725-0717 | Tab Receptacle |
| | 725-0564 | Electric Wire (Red Positive) (811) | 11 | 725-1058 | Socket |
| | | | 12 | 725-0963 | Lamp |
| 4 | 725-0771 | Solenoid | 13 | 725-0916 | Ground Wire |
| 5 | 725-0563 | Electric Wire (825, 835 & 837) | 14 | 731-0705 | Head Light Housing |
| | 725-0564 | Electric Wire (811) | 15 | 731-0706 | Lens |
| 6 | 725-1027 | Wire Harness (825, 835 & 837) | 16 | 725-0925 | Ammeter |
| | 725-1028 | Wire Harness (811) | 17 | 725-0459 | Circuit Breaker |
| 7 | 725-0465 | Safety Switch (P.T.O.) | 18 | 725-0267 | Ignition Switch |
| | | | 19 | 725-0201 | Ignition Key |
| | | | 20 | 726-0226 | Push On Ground Clip |

PARTS INFORMATION

POWER EQUIPMENT PARTS AND SERVICE

Parts and service are available through the authorized service firms listed below. All orders should specify the model number of your unit, part numbers, description of parts and the quantity of each part required.

BRIGGS AND STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing **Engines—Gasoline**, Briggs & Stratton or Tecumseh Lauson.

NOTE: If any parts are found to be missing or defective upon assembly of this unit, write to advise the factory so that immediate replacement can be made.

| | |
|---|--------------------------------------|
| ALABAMA | BIRMINGHAM |
| Auto Electric & Carburetor Co. | 2625 4th Ave. S. 35233 |
| ARKANSAS | NORTH LITTLE ROCK |
| Sutton's Lawn Mower Shop | 5301 Roundtop Drive |
| | Box 368, Rt. 4 72117 |
| CALIFORNIA | PORTERVILLE |
| Billious | 75 North D Street 93257 |
| COLORADO | DENVER |
| Spitzer Industrial Products Co. | 6601 N. |
| | Washington St. 80229 |
| FLORIDA | JACKSONVILLE |
| Radco Distributors | 4909 Victor St. |
| | Box 5459 32207 |
| | OPA LOCKA |
| | 2351 N.W. 147th St. 33054 |
| GEORGIA | EAST POINT |
| East Point Cycle & Key | 2834 Church St. 30344 |
| ILLINOIS | LYONS |
| Keen Edge Co. | 8615 Ogden Ave. 60534 |
| INDIANA | ELKHART |
| Parts & Sales Inc. | 2101 Industrial Pkwy. 46516 |
| IOWA | DUBUQUE |
| Power Lawn & Garden Equip. | 2551 J.F. Kennedy 52001 |
| LOUISIANA | NEW ORLEANS |
| Suhren Engine Co. | 8330 Earhart Blvd. 70118 |
| MARYLAND | TAKOMA PARK |
| Center Supply Co. | 6867 New Hampshire |
| | Ave. 20912 |
| MASSACHUSETTS | SPRINGFIELD |
| Morton B. Collins Co. | 300 Birnie Ave. 01107 |
| MICHIGAN | LANSING |
| Lorenz Service Co. | 2500 S. Pennsylvania 48910 |
| | MOUNT CLEMENS |
| Power Equipment Dist. | 340 Hubbard 48043 |
| MINNESOTA | HOPKINS |
| Hance Distributing Inc. | 420 Excelsior Ave. W. 55343 |
| MISSISSIPPI | BILOXI |
| Biloxi Sales & Service, Inc. | 506 Caillavet St. 39533 |
| MISSOURI | KANSAS CITY |
| Automotive Equip. Service | 3117 Holmes St. 64109 |
| | ST. JOSEPH |
| Ross-Frazier Supply Co. | 8th and Monterey 64503 |
| | ST. LOUIS |
| Henzler, Inc. | 2015 Lemay Ferry Rd. 63125 |
| NEW JERSEY | BELLMAWR |
| Lawnmower Parts Inc. | 717 Creek Rd. 08030 |
| NEW MEXICO | ALBUQUERQUE |
| Spitzer Eng. & Parts | 1023 Third Ave. N.W. 87103 |
| NEW YORK | CARTHAGE |
| Gamble Dist., Inc. | West End Ave. 13619 |
| NORTH CAROLINA | GOLDSBORO |
| Smith Hardware Co. | 515 N. George St. 27530 |
| | GREENSBORO |
| Dixie Sales Company | 335 N. Green 27402 |

| | |
|--|------------------------------------|
| OHIO | CARROLL |
| Stebe's Mid-State Mower Supply | Box 366, 71 High St. 43112 |
| | CLEVELAND |
| Bleckrie, Inc. | 7900 Lorain Ave. 44102 |
| | WADSWORTH |
| National Central | 687 Seville Rd. 44281 |
| | YOUNGSTOWN |
| Burton Supply Co. | 1301 Logan Ave. |
| | Box 929 44501 |
| OKLAHOMA | MUSKOGEE |
| Victory Motors, Inc. | 605 S. Cherokee 74401 |
| OREGON | PORTLAND |
| Kenton Supply Co. | 8216 N. Denver Ave. 97217 |
| PENNSYLVANIA | HARRISBURG |
| EECO Inc. | 4021 N. 6th St. 17110 |
| | PHILADELPHIA |
| Thompson Rubber Co. | 5222-24 N. Fifth St. 19120 |
| | PITTSBURGH |
| Bluemont Co. | 11125 Frankstown Rd. 15235 |
| | PUNXSUTAWNEY |
| Frank Roberts & Sons | R.D. 2 15767 |
| | SCRANTON |
| Scranton Auto Ignition Co. | 1133-35 Wyoming Ave. 18509 |
| TENNESSEE | KNOXVILLE |
| Master Repair Service | 2000 Western Ave. 37921 |
| | MEMPHIS |
| American Sales & Service, Inc. | 3035-43 Bellbrook 38116 |
| TEXAS | DALLAS |
| Marr Brothers, Inc. | 423 E. Jefferson 75203 |
| | FORT WORTH |
| Woodson Sales Corp. | 1702 N. Sylvania 76111 |
| | HOUSTON |
| Bullard Supply Co. | 2409 Commerce St. 77003 |
| | SAN ANTONIO |
| Engine House Inc. | 8610 Botts Lane |
| | P.O. Box 17867 78217 |
| UTAH | BOUNTIFUL |
| Powered Products | 485N 500W. 84010 |
| | SALT LAKE CITY |
| A-1 Engine & Mower Co. | 439 E. 900 So. 84111 |
| VIRGINIA | ASHLAND |
| RBI Corp. | 101 Cedar Ridge Dr. 23005 |
| WASHINGTON | SEATTLE |
| Bailey's Inc. | 1414 14th Ave. 98122 |
| WISCONSIN | APPLETON |
| Automotive Supply Co. | 123 S. Linwood Ave. |
| | P.O. Box 798 54911 |
| | CHILTON |
| Horst Dist. | 444 N. Madison 53014 |

WARRANTY PARTS AND SERVICE POLICY

(1183)

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions over which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customer's responsibility.

CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES:

1. Replacement of Missing Parts on new equipment.
2. Replacement of Defective Parts within the warranty period.
3. Repair of Defects within the warranty period.

All claims MUST be substantiated with the following information:

1. Model Number of unit involved.
2. Date unit was purchased or first put into service.
3. Date of failure.
4. Nature of failure.